

UNIVERSITY OF CALIFORNIA PUBLICATIONS

COLLEGE OF AGRICULTURE
AGRICULTURAL EXPERIMENT STATION
BERKELEY, CALIFORNIA

COMMERCIAL FERTILIZERS

By JOHN S. BURD

BULLETIN No. 240

Berkeley, Cal., September, 1913

UNIVERSITY OF CALIFORNIA PRESS
BERKELEY
1913

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COMMERCIAL FERTILIZERS

BY JOHN S. BURD

The present bulletin comprises the results of the fertilizer inspection work of the California Fertilizer Control for the fiscal year ending June 30, 1913.

REGISTERED MANUFACTURERS AND DEALERS

The following manufacturers and dealers in commercial fertilizers have obtained certificates of registration under the provisions of the California Fertilizer law, for the fiscal year beginning July 1, 1912. A list is also given of the brands of fertilizers and fertilizer materials offered by them for sale. According to the sworn returns of dealers registered for the fiscal year ending June 30, 1912, their entire sales in the state amounted to 50,955 tons. Incomplete returns for the year ending June 30, 1913, indicate a greatly lessened consumption, doubtless due to the great freeze in Southern California.

No dealer or manufacturer, except those who have certificates of registration from the University of California, and their authorized agents, can legally sell fertilizers in this state. No person or company has any right to use any registration number except in connection with the firm name to which the registration certificate of such number has been issued; and no person or company to whom a registration number has been assigned has any right to give any other person or company permission to use said registration number, and any number so used is a fraud. No agent has any right to use his principal's registration number in connection with his own name.

Agricultural Chemical Works, Los Angeles, Cal.

Registration No. 8

Bat Guano.	Nursery.
Blood.	Potato.
Bone Meal.	Prune and Peach.
Brands A, B, C, D, E, F, G, H, J, K, L, M, and N.	Sulfate of Ammonia.
Fish Guano.	Sulfate of Potash.
Grape and Berry.	Summer, A, B, and C.
Gypsum.	Superphosphate.
Lawn and Rose.	Tankage.
Muriate of Potash.	Vegetable.
Nitrate of Soda.	Walnut and Almond.

Special mixtures to order of consumers.

American Agricultural Chemical Co., California Works, Los Angeles, Cal.

Registration No. 1

Bradley's Acid Phosphate.	Bradley's Orange and Lemon.
Bradley's California Vegetable.	Bradley's Special Fruit and Vine.
Bradley's Fruit and Vine.	Bradley's Special Nursery Stock.
Bradley's Hay and Grain, No. 1.	Nitrate of Soda.
Bradley's Hay and Grain, No. 2.	Raw Mineral Phosphate Rock.
Bradley's Lawn.	Sulfate of Ammonia.
Bradley's Lemon Tree.	Sulfate of Potash.
Bradley's Nursery Stock.	Special brands to order.

The Armour Fertilizer Works, Los Angeles Cal.

Registration No. 7

Armour's Cropmaker.	Nitrate of Soda.
Bean Grower.	Olive Special.
Bone Meal.	Orange Tree Manure.
Bone, Blood and Potash.	Potato Special.
Cotton Seed Meal.	Sheep Manure.
Deciduous Tree Special.	Speial 2-17-10.
Dried Blood.	Special 2-12-8.
Flower and Fern Food.	Sulfate of Ammonia.
Fruit Special.	Sulfate of Potash.
Fruit and Vine.	Superphosphate.
Guano.	Tankage.
Lawn and Garden Fertilizer.	Vegetable Grower.
Lawn Special.	Walnut Special.

Special mixtures to order of consumers.

California Fertilizer Works, Inc., San Francisco, Cal.

Registration No. 3

Fruit and Vine.	Special Orange Tree, yellow leaves.
Fruit, Orange and Vine.	Peach.
High Grade Bone and Blood Super-phosphates.	Special Fertilizer with Iron Sulfate.
Nursery Stock.	Special Fertilizer.
Odorless Lawn Dressing.	Special Fruit and Vine.
Orange Tree (B).	Special Orange and Lemon.
Special Bone and Blood Meal.	Special Nursery Stock.
Special Orange Tree.	Special Phosphate and Potash.
Special Orange (A).	Truck and Berry.

Chapman Fertilizer Co., Los Angeles, Cal.

Registration No. 57

Chapman's Fall Application.	Chapman's Spring Application.
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Coronado Chemical Co., San Diego, Cal.

Registration No. 65

Superphosphate "Cocheco" Brand.

C. J. Duff, Glendale, Cal.

Registration No. 58

Duff's Odorless Fertilizer, No. 1.	Duff's Odorless Fertilizer, No. 2.
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Federal Chemical Co., Los Angeles, Cal.

Registration No. 63

Special brands to order.

General Fertilizer Association, Los Angeles, Cal.

Registration No. 42

G. F. A Orange and Lemon No. 1.	G. F. A. No. 9.
G. F. A. Special No. 2.	G. F. A. No. 10.
G. F. A. No. 3.	G. F. A. No. 11.
G. F. A. No. 4.	G. F. A. No. 15.
G. F. A. No. 5 Ex Brand.	G. F. A. Special.
G. F. A. No. 6.	Lindsay Special.
G. F. A. No. 8.	

The Hauser Packing Co., Los Angeles, Cal.

Registration No. 33

Concentrated Tankage.	Ground Sheep Manure.
Bone Meal.	Tankage.
Dried Blood.	Special mixtures to order.

Hawaiian Fertilizer Co., Ltd., San Francisco, Cal.

Registration No. 19

Blood.	Nursery Stock.
Double Manure Salts.	Orange and Lemon
Fish Guano.	Sulfate of Potash.
Fruit and Vine.	Superphosphate.
Kainit.	Thomas Phosphate.
Muriate of Potash.	Tankage.
Nitrate of Soda.	

Special mixtures to order of consumers.

Simon Levy Fertilizer Co. Los Angeles, Cal.

Registration No. 37

Sheep Manure.

Thomas Lewis, Sacramento, Cal.

Registration No. 40

Tom Lewis Bone Meal.	Tom Lewis Star Brand Fertilizer.
Tom Lewis Fertilizer.	

Los Angeles Fertilizer Co., Los Angeles, Cal.

Registration No. 38

Three Queens Animal Bone and Potash.	Three Queens Garden and Lawn.
Three Queens Emerson's Olive Special.	Three Queens Hanson's Odorless.
Three Queens Emerson's Sum- mer Special.	Three Queens L. A. Bone Meal.
Three Queens Emerson's Vege- table Special.	Three Queens Nitrate of Soda.
Three Queens Emerson's Walnut Special.	Three Queens Orangeaid.
Three Queen's Emerson's Fruit Grower.	Three Queens Special Fruitgrower.
Three Queens Emerson's Fruitmore.	Three Queens Spring Special.
	Three Queens Sulfate of Potash.
	Three Queens Superphosphate.
	Three Queens Tankage.
	Three Queens T. and P.

Special mixtures to order of consumers.

G. W. McNear, Inc., San Francisco, Cal.

Registration No. 67

Legumenol.

UNIVERSITY OF CALIFORNIA—EXPERIMENT STATION

Morris & Co., Chicago, Ill.

W. B. Burr, 307 Central Bldg., Los Angeles, Cal., Agent
Registration No. 26

Ground High Grade Blood.	Pacific Big Six.
Pacific Big One.	Pacific Big Seven.
Pacific Big Two.	Pacific Big Eight.
Pacific Big Three.	Pacific Big Nine.
Pacific Big Four.	Pacific Big Ten.
Pacific Big Five.	Pacific Big Eleven.

Special mixtures to order of consumers.

The Mountain Copper Co., San Francisco, Cal.

Registration No. 28

Mococo Superphosphate 0-17-0.	Mococo 3-10-2.
Mococo Superphosphate 0-20-0.	Mococo 3-10-5.
Mococo 0-3-3.	Mococo 4-10-1½.
Mococo 0-12-8.	Mococo 4-10-4.
Mococo 0-14-9.	Mococo 5-10-4.
Mococo 1½-12-1½.	Nitrate of Soda.
Mococo 2½-10-8.	Sulfate of Potash.

Special mixtures to order of consumers.

Nitrate Agencies Co., Los Angeles, Cal.

Registration No. 45

Bone Meal.	Sulfate of Potash.
Nitrate of Soda.	Superphosphate.

North American Mercantile Co., San Francisco, Cal.

Registration No. 61

Domoto Fertilizer.	Rape Seed Meal.
Domoto Plant Food.	Soy Bean Meal.

Oakland Meat and Packing Co. Stock Yards, Cal.

Registration No. 24

Special Fertilizer.

Pacific Bone, Coal and Fertilizing Co., San Francisco, Cal.

Registration No. 14

Arborette Brand.	Lupine Brand.
Bone Meal.	Lupine Brand, No. 2.
Ceres Brand.	Merino Brand.
Ceres Brand, No. 0.	Muriate of Potash.
Ceres Brand, No. 1.	Nitrate of Soda.
Ceres Brand, No. 2.	Pomona Brand.
Citrona Brand, No. 1.	Pomona Brand, No. 1.
Citrona Brand, No. 2.	Pomona Brand, No. 2.
Citrona Brand, No. 3.	Sulfate of Potash.
Flora Brand.	Superphosphates.
Lime Nitrogen.	Tankage.
Lucerne.	Thomas Phosphate Powders.

Special mixtures to order of consumers.

Pacific Coast Beef and Provision Co., Los Angeles, Cal.

Registration No. 64

Bone Meal.	Tankage.
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Pacific Guano and Fertilizer Co., San Francisco, Cal.

Registration No. 4

Bat Guano.	Diamond PNK Phosphorus, Nitro-
Raw Bone Meal.	gen and Kalium.
Steamed Bone Meal.	Diamond S Special 8-6-2.
Double Manure Salt.	Diamond SS Special Sugar Beet.
Dried Blood.	Diamond T Truck.
Diamond B Lawn Dressing.	Muriate of Potash.
Diamond F Fruit and Vine.	Nitrate of Soda.
Diamond GG Grain Grower.	Sulfate of Ammonia.
Diamond H Hops.	Sulfate of Potash.
Diamond N Nursery Stock.	Supergyp.
Diamond O Orange.	Basic Superphosphate.
Diamond PP Special Phosphate and Potash.	Superphosphate.
	Tankage.
	Special mixtures to order of consumers.

Pacific Wood and Coal Co., San Diego, Cal.

Registration No. 53

Diamond BG Complete.	Nitrate of Soda.
Diamond BG Lawn.	Sulfate of Potash.
Diamond BG Soil Regulator.	Superphosphate.
Diamond BG Tree Tonic.	

Producers' Fertilizer Co., Los Angeles, Cal.

Registration No. 56

Ground Sheep Manure.	Unground Sheep Manure.
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Redlands Fertilizer Association, Redlands, Cal.

Registration No. 49

Bone Meal.	Nitrate of Lime.
Fish Bone.	Sulfate of Potash.
Gypsum.	Superphosphate.
Nitrate of Soda.	Sheep Manure.
Special mixtures to order of consumers.	

Redlands Fruit Association, Redlands, Cal.

Registration No. 34

Fish Bone Meal.	Royal Knight.
Fish Guano.	Royal Knight Summer Special.
Mococo Mixed Fertilizer.	Salmon Scrap.
Nitrate of Soda.	Sulfate of Potash.
Nitrate of Lime.	Tankage.

San Antonio Meat Co., Pomona, Cal.

Registration No. 69

Tankage.

C. Henry Smith, Inc., San Francisco, Cal.

Registration No. 66

Nitrate of Lime.

Standard Rendering Co., Kansas City, Mo.

Registration No. 44

Standard One.	Standard Four.
Standard Two.	Standard Concentrated.
Standard Three.	Standard Bone.

Standard Supply Co., Los Angeles, Cal.

Registration No. 60

Standard Fish Guano.	Standard No. 3.
Standard No. 1.	Standard No. 4.
Standard No. 2.	Standard No. 6.

Swift & Co., Chicago, Ill.

Registration No. 5

Swift's Diamond "C" Fertilizer.	Swift's Diamond "M" Fertilizer.
Swift's Diamond "D" Fertilizer.	Swift's Ground Blood.
Swift's Diamond "E" Fertilizer.	Swift's Acidulated Bone Meal.
Swift's Diamond "K" Fertilizer.	Swift's Special Bone Meal.
Swift's Diamond "L" Fertilizer.	Swift's High Grade Tankage.

Special mixtures to order of consumers.

Union Fertilizer Co., Los Angeles, Cal.

Registration No. 9

Blood.	Special Fruiting.
Bone Meal.	Sulfate of Ammonia.
Fruiting Fertilizer.	Sulfate of Potash.
Guano.	Superphosphate.
Nitrate of Soda.	Tankage.
Nursery Fertilizer.	Walnut.

Special mixtures to order of consumers.

Union Superphosphate Co., San Francisco, Cal.

Registration No. 31

Superphosphate.

Western Meat Company, San Francisco, Cal.

Registration No. 11

Gold Bear Diamond A.	Gold Bear Diamond H.
Gold Bear Diamond B.	Gold Bear Diamond I.
Gold Bear Diamond C.	Gold Bear Diamond K.
Gold Bear Diamond D.	Gold Bear Diamond L.
Gold Bear Diamond E.	Gold Bear Diamond O.
Gold Bear Diamond F.	Gold Bear Diamond R.
Gold Bear Diamond G.	

Wizard Fertilizer Co., San Francisco, Cal.

Registration No. 68

Wizard Bat Brand.

Woodbridge Fertilizer Co., Los Angeles, Cal.

Registration No. 22

Bone Meal.	Orange.
Citrus A.	Lawn.
Nitrate of Soda.	Sulfate of Potash.
Muriate of Potash.	Tankage.

SCOPE OF INSPECTION

During the year 650 samples of fertilizers and fertilizing materials have been received at the laboratory. Of this number 20 were sent by farmers under the two-dollar fee provision, 139 were taken by inspectors from purchasers' goods upon the request of the purchasers, and 335 were taken by inspectors from goods in the hands of agents

and manufacturers. On 50* samples the analysis as reported was used as a basis of settlement by mutual agreement of buyer and seller. No guaranty was required or given with goods sold under such agreement. One hundred and six samples of a miscellaneous nature are omitted from the tables.

The following classification may be made of samples reported in this bulletin:

Bat Guano	4
Blood	32
Bone and Blood Superphosphate	1
Bone Meal	35
Calcium Cyanamide	1
Complete	292
Cotton Seed Meal	2
Nitrate of Lime	3
Nitrate of Soda	14
Sulfate of Potash	17
Superphosphate	22
Superphosphate and Gypsum	1
Superphosphate and Potash	3
Superphosphate and Sodium Nitrate	4
Tankage	113
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Total	544

DEFICIENCIES

In the analyses of the above samples, the following number of deficiencies greater than that allowed by law occurred:

Available Phosphoric Acid (total when available is not guaranteed)	39
Total Nitrogen	72
Potash	20
In valuation	31

These deficiencies were found in 131 samples.

The fertilizer law allows a deficiency of 0.25 per cent in nitrogen, 0.50 per cent in potash, and 1 per cent in available phosphoric acid.

FERTILIZER VALUATIONS

The calculations of the commercial values of the fertilizers here reported are made on the so-called unit basis. Such calculations consist simply in multiplying the number of per cent of each ingredient by the price per unit and adding the products. The sum thus obtained

* Besides these a considerable number of the remaining purchasers' analyses were doubtless used subsequently as a basis of settlement, but without being reported to this office.

is the commercial value per ton at the prices used. If it is desired to use such a calculation for determining the amount which should be paid for goods, or the rebate to which the buyer is entitled owing to the goods delivered being below the guaranty, it can only be satisfactorily done if a definite price per unit has been agreed upon between buyer and seller. But for the mere purpose of showing the relative values of goods to guaranties, it is not at all necessary that the prices adopted should be the exact market prices. Thus it is that the Fertilizer Control in attempting to show the relation between values found and values claimed, uses a schedule which is admittedly only an approximate average of market values. Owing to market fluctuation, differences in cost of delivery at different points, and other causes, the obtaining of true average market prices is an impossibility. But if the reader will bear in mind the true purpose of the valuations reported, these will have served their turn and he will not be led to assume that the Experiment Station is dictating the prices at which goods shall be sold.

SCHEDULE OF TRADE VALUES, 1913-14

	Cents per pound	Value per unit
Nitrogen from blood	20.5	\$4.10
Nitrogen from tankage and bone	22.0	4.40
Nitrogen from ammonia sulfate	17.5	3.50
Nitrogen from nitrate of soda	16.0	3.20
Nitrogen from nitrate of lime	16.0	3.20
Phosphoric Acid from tankage	3.6	0.72
Phosphoric Acid from bone	4.5	0.90
Phosphoric Acid from bone superphosphate	5.0	1.00
Available Phosphoric Acid from rock superphosphate	4.7	0.94
Phosphoric Acid from Thomas Phosphate Powder	4.2	0.84
Potash from Sulphate of Potash	5.7	1.14
Potash from Muriate of Potash	5.0	1.00

The base prices from which the above schedule is deduced are obtained as follows:

Blood and Tankage, Chicago market quotations and freight to Pacific Coast terminals.
Bone Meal, California manufacturers' estimates.

Sulfate of Ammonia, California manufacturers' estimates.

Nitrate of Soda, California manufacturers' estimates and actual sales.

Potash Salts, New York quotations and differential freight rate (by sea) to California points.

Bone Superphosphate, local manufacturers' estimates.

Thomas Phosphate Powder, local manufacturers' estimates.

Rock Superphosphate, factory price, San Francisco Bay, and freight to Southern California points.

CAUTION TO FERTILIZER CONSUMERS

It cannot be too frequently pointed out that the commercial value and the agricultural value of fertilizers is in no way related. The choice of the kind of food plant to be purchased should be based on a

knowledge of the needs of the particular crop and soil to be treated. Only after this is decided should the cost of the fertilizer be considered, when the particular kind of fertilizer supplying the ingredient desired should be selected according to its agricultural availability and cost.

REPORT OF ANALYSES

Available phosphoric acid is not determined in bone meal, tankage, and Thomas phosphate powder, unless requested. The fineness of these materials is determined, fine and medium bone being separated by a sieve of 50 meshes to the inch; tankage by a 25-mesh sieve; and Thomas phosphate powder by a 100-mesh sieve.

Nitrogen in ammonia salts will, in some cases, be found reported when nitrogen in this form is not guaranteed. In some of such cases this form of nitrogen is produced by conversion of organic nitrogen during process of manufacture, and is not to be considered a deviation from guaranty of materials used. Guanos carry more or less nitrogen in nitrates and ammonia salts, and when any appreciable quantity of guano is used the manufacturer should take into account the fact that some nitrogen will show as nitrates and ammonia salts. The failure to take this into consideration may perhaps account for the appearance of these forms of nitrogen in some samples in which only organic nitrogen was guaranteed.

The percentage of chlorin is given when it exceeds 0.50 per cent. It is a matter of only technical interest whether chlorin present is from muriate of potash, kainite, or from common salt that may be in some of the materials used. If a manufacturer uses sulfate of potash and uses a tankage with it containing a large amount of chlorin, from a practical standpoint he has lowered the grade of his fertilizer just as much as if he had used muriate of potash instead of sulfate of potash. Chlorin from all other sources is as objectionable as from muriate of potash. However, if muriate of potash is found when sulfate is guaranteed, the fact will be published.

The following abbreviations are used in the tables: Bl = blood, Bn = bone, Fs = fish, G = guanotankage, H = hoof, Min. Phos. = , Super = superphosphates, T = mineral phosphates, CSM = cotton seed meal, T.T.P. = Thomas phosphate powder, Sm = Sheep manure.

Guarantees are entered in *italics*. Deficiencies greater than allowed by law are entered in bold type.

ANALYSES AND VALUATIONS

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Agricultural Chemical Works, Los Angeles, Cal.			
4268	"A"	G. A. Herdeg, Riverside.....	\$26.81
4332	"A"	E. A. Moore, Redlands.....	26.23
4437	"A"	Gowen & Willard, Santa Ana.....	25.92
	Guaranteed.....		25.38
4320	"B"	J. M. Webster, Upland.....	29.78
4338	"B"	E. A. Moore, Redlands.....	29.93
4436	"B"	Gowen & Willard, Santa Ana.....	29.57
4635	"B"	J. M. Webster, Upland.....	30.00
	Guaranteed.....		28.54
4314*	Bat Guano	J. M. Webster, Upland	37.77
	Guaranteed.....		40.76
4316	Blood	J. M. Webster, Upland	61.60
	Guaranteed.....		60.30
4336	Blood	E. A. Moore, Redlands.....	61.74
	Guaranteed.....		60.75
4318	"C"	J. M. Webster, Upland.....	32.87
4334	"C"	E. A. Moore, Redlands.....	34.57
4585	"C"	G. A. Herdeg, Riverside.....	34.15
4633	"C"	J. M. Webster, Upland.....	33.95
4782	"C"	Mrs. J. A. Maddock, Duarte.....	30.79
	Guaranteed.....		31.62
4435	"F"	Gowen & Willard, Santa Ana.....	22.39
	Guaranteed.....		23.44
4781	"J"	Mrs. J. A. Maddock, Duarte..	28.14
	Guaranteed.....		26.36
4319	"K"	J. M. Webster, Upland.....	27.67
4333	"K"	E. A. Moore, Redlands.....	28.53
4439	"K"	Gowen & Willard, Santa Ana.....	27.81
4634	"K"	J. M. Webster, Upland.....	28.34
	Guaranteed.....		26.04
4313	"L"	W. J. Stowe, Upland	25.76
	Guaranteed.....		26.38
4335*	Lawn	E. A. Moore, Redlands.....	24.66
4432*	Lawn	Gowen & Wilard, Santa Ana.....	23.38
	Guaranteed.....		22.20
4312	"N"	W. J. Stowe, Upland.....	32.79
4438	"N"	Gowen & Willard, Santa Ana.....	31.36
4584	"N"	G. A. Herdeg, Riverside.....	34.82
	Guaranteed.....		33.76

*4314—Deficiency in valuation due to inadequacy of guaranty.

*4335—Potash guaranteed from muriate.
*4432—Potash guaranteed from muriate

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED										CHLORIN
	PHOSPHORIC ACID				NITROGEN				POTASH		
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total
4268	5.58	2.72	8.30	.....	1.54	.....	2.52	.....	4.06	3.30	3.30
4332	5.03	2.72	7.75	.....	2.21	.....	1.96	.....	4.17	3.53	3.53
4437	5.70	2.50	8.20	.....	1.82	.....	2.05	.....	3.87	3.61	3.61
.....	5.00	3.00	8.00	Super, Bn, T	2.00	.....	2.00	Bat G, Bl, Bn	4.00	3.00	3.00
4320	4.68	3.52	8.20	.....	2.57	.....	2.72	.....	5.29	2.46	2.46
4338	6.04	2.76	8.80	.....	2.27	.....	2.85	.....	5.12	2.43	2.43
4436	6.70	2.30	9.00	.....	2.25	.....	2.73	.....	4.98	2.46	2.46
4635	5.71	2.84	8.55	.....	2.09	.....	2.93	.....	5.02	2.87	2.87
.....	4.00	4.00	8.00	Super, Bn, T	2.00	.....	3.00	Bat G, Bl, Bn	5.00	2.00	2.00
4314	.....	7.25	.....	1.06	1.15	5.05	.....	7.26	1.80	1.80	.....
.....	.....	7.25	.....	.....	.....	7.50	.....	7.50	1.75	1.75	.....
4316	.....	.....	.....	.....	.....	13.70	.....	13.70	.....	.....	.....
.....	.....	.....	.....	.....	.....	13.40	.....	13.40	.....	.....	.....
4336	.....	.....	.....	.....	.....	13.72	.....	13.72	.....	.....	.....
.....	.....	.....	.....	.....	.....	13.50	.....	13.50	.....	.....	.....
4318	4.70	3.80	8.50	.....	3.01	.....	2.95	.....	5.96	2.87	2.87
4334	5.23	3.02	8.25	.....	2.07	.....	4.10	.....	6.17	2.76	2.76
4585	5.04	3.36	8.40	.....	2.10	.....	3.93	.....	6.03	2.83	2.83
4633	5.54	2.86	8.40	.....	2.48	.....	3.66	.....	6.14	.....	2.64
4782	5.12	3.38	8.50	.....	1.72	0.20	3.47	.....	5.39	.....	1.05
.....	4.00	4.00	8.00	Super, Bn, T	3.00	.....	3.00	Bat G, Bl, Bn	6.00	2.00	2.00
4435	4.75	2.60	7.35	.....	1.21	.....	1.72	.....	2.93	4.08	4.08
.....	6.00	2.00	8.00	Super, Bn, T	1.00	.....	2.00	Bat G, Bl, Bn	3.00	4.00	4.00
4781	5.20	5.00	10.20	.....	1.22	.....	3.00	.....	4.22	2.02	2.02
.....	6.00	3.00	9.00	Super, T	1.00	.....	3.00	Bat G, Bl, Bn	4.00	2.00	2.00
4319	7.30	4.30	11.60	.....	2.03	.....	1.77	.....	3.80	2.95	2.95
4333	6.47	4.28	10.75	.....	1.51	.....	2.60	.....	4.11	2.66	2.66
4439	6.47	3.28	9.75	.....	2.13	.....	2.12	.....	4.25	2.95	2.95
4634	6.03	4.32	10.35	.....	1.58	.....	2.64	.....	4.22	2.46	2.46
.....	6.00	4.00	10.00	Super, Bn, T	2.00	.....	2.00	Bat G, Bl, Bn	4.00	2.00	2.00
4313	6.04	3.96	10.00	.....	0.84	.....	2.00	.....	2.84	4.89	4.89
.....	5.00	5.00	10.00	Super, Bn, T	1.00	.....	2.00	Bat G, Bl, Bn	3.00	5.00	5.00
4335	6.17	5.58	11.75	.....	.....	.....	2.61	.....	2.61	.....	2.60
4432	6.11	5.44	11.55	.....	.....	.....	2.41	.....	2.41	.....	2.32
.....	5.00	5.00	10.00	Super, T	.....	.....	2.50	Bl, Bn	2.50	.....	2.50
4312	6.50	3.30	9.80	.....	1.81	0.15	2.70	.....	4.66	5.47	0.65
4438	5.62	2.48	8.10	.....	1.98	.....	2.80	.....	4.78	5.20	0.70
4584	5.00	5.00	10.00	.....	1.28	.....	3.54	.....	4.82	5.84	0.75
.....	5.00	5.00	10.00	Super, Bn, T	2.00	.....	3.00	Bat G, Bl, Bn	5.00	5.00	5.00

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANU-

FACTURER OR DEALER, AND

NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station Prices

Agricultural Chemical Works—			
<i>Continued.</i>			
4434	Nitrate of Soda	Gowen & Willard, Santa Ana	47.89
	<i>Guaranteed.....</i>		46.20
4269	Special	G. A. Herdeg, Riverside.....	34.45
	<i>Guaranteed.....</i>		32.14
4270	Special	G. A. Herdeg, Riverside.....	34.31
	<i>Guaranteed.....</i>		33.76
4317	Special	H. A. Hostetler, Upland	27.58
	<i>Guaranteed.....</i>		26.85
4342	Special	W. C. McCully, Corona.....	30.16
4374	Special	W. C. McCully, Corona.....	28.96
	<i>Guaranteed.....</i>		28.80
4349	Special	Germain Seed Co., Los Angeles.....	15.46
	<i>Guaranteed.....</i>		15.36
4586	Special	G. A. Herdeg, Riverside.....	35.35
	<i>Guaranteed.....</i>		32.88
4636	Special	J. M. Webster, Upland.....	39.37
	<i>Guaranteed.....</i>		39.00
4271	Sulfate of Potash	G. A. Herdeg, Riverside.....	56.64
	<i>Guaranteed.....</i>		57.00
4315	Summer A	J. M. Webster, Upland.....	26.36
	<i>Guaranteed.....</i>		23.85
4331	Summer B	E. A. Moore, Redlands.....	25.44
	<i>Guaranteed.....</i>		24.92
4339	Summer C	E. A. Moore, Redlands.....	31.02
	<i>Guaranteed.....</i>		31.08
4337*	Tankage	E. A. Moore, Redlands	39.52
	<i>Guaranteed.....</i>		37.58
4583*	Tankage	G. A. Herdeg, Riverside	34.56
	<i>Guaranteed.....</i>		34.63
4632*	Tankage	J. M. Webster, Upland	32.52
	<i>Guaranteed.....</i>		32.73
4354	Walnut	Anaheim Fruit Association, Anaheim	23.54
4433	Walnut	Gowen & Willard, Santa Ana	23.16
	<i>Guaranteed.....</i>		23.44

*4337—70% fine.

*4583—74% fine.

*4632—70% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	CHLORIN
4434	.....	.....	.....	.....	15.55	.....	.....	.....	15.55	.....	.....	.....
.....	.....	.....	.....	.....	15.00	.....	.....	.....	15.00	.....	.....	.....
4269	7.62	5.48	13.10	.....	2.40	0.20	2.63	.....	5.23	2.83	2.83	1.00
.....	5.00	7.00	12.00	Super, Bn, T	2.00	.....	3.00	Bat G, Bl, Bn	5.00	2.00	2.00	.....
4270	7.54	2.56	10.10	.....	2.47	.....	2.63	.....	5.10	5.53	5.53	.....
.....	5.00	5.00	10.00	Super, Bn, T	2.00	.....	3.00	Bat G, Bl, Bn	5.00	5.00	5.00	.....
4317	7.24	3.16	10.40	.....	.....	.....	1.46	.....	1.46	10.48	10.48	.....
.....	5.00	5.00	10.00	Super, Bn, T	.....	.....	1.50	Bat G, Bl, Bn	1.50	10.00	10.00	.....
4342	7.63	0.52	8.15	.....	.....	.....	4.34	.....	4.34	3.65	3.65	.....
4374	8.09	0.46	8.55	.....	.....	.....	4.00	.....	4.00	3.57	3.57	.....
.....	8.00	0.45	8.45	Super, Bn, T	.....	.....	4.00	Fs G	4.00	3.50	3.50	.....
4349	5.27	2.88	8.15	.....	.....	.....	1.45	.....	1.45	1.67	1.67	.....
.....	4.00	4.00	8.00	Super, Bn, T	.....	.....	1.50	Bat G, Bl, Bn	1.50	1.50	1.50	.....
4586	5.03	4.32	9.35	.....	1.40	.....	2.95	.....	4.35	8.72	8.72	0.60
.....	5.00	5.00	10.00	Super, Bn, T	2.00	.....	2.00	Bat G, Bl, Bn	4.00	8.00	8.00	.....
4636	4.15	3.30	7.45	.....	4.64	.....	3.60	.....	8.24	2.54	2.54	0.60
.....	4.00	4.00	8.00	Super, Bn, T	4.00	.....	4.00	Bat G, Bl, Bn	8.00	2.00	2.00	.....
4271	.....	.....	.....	.....	.....	.....	.....	.....	49.68	49.68	49.68	2.10
.....	.....	.....	.....	.....	.....	.....	.....	.....	50.00	50.00	50.00	.....
4315	7.44	6.96	14.40	.....	.....	.....	1.74	.....	1.74	5.19	5.19	.....
.....	7.00	6.00	13.00	Super, Bn, T	.....	.....	1.50	Bat G, Bl, Bn	1.50	5.00	5.00	.....
4331	4.72	2.78	7.50	.....	.....	.....	2.20	.....	2.20	8.10	8.10	.....
.....	5.00	3.00	8.00	Super, Bn, T	.....	.....	2.00	Bat G, Bl, Bn	2.00	8.00	8.00	.....
4339	5.05	2.20	7.25	.....	1.85	.....	2.20	.....	4.05	8.19	8.19	0.60
.....	5.00	3.00	8.00	Super, Bn, T	2.00	.....	2.00	Bat G, Bl, Bn	4.00	8.00	8.00	.....
4337	.....	.....	10.10	.....	.....	.....	7.50	.....	7.50	.....	.....	.....
.....	.....	.....	8.00	.....	.....	.....	7.40	.....	7.40	.....	.....	.....
4583	.....	.....	13.60	.....	.....	.....	5.76	.....	5.76	.....	.....	.....
.....	.....	.....	13.75	.....	.....	.....	5.75	.....	5.75	.....	.....	.....
4632	.....	.....	11.60	.....	.....	.....	5.62	.....	5.62	.....	.....	.....
.....	.....	.....	13.50	.....	.....	.....	5.35	.....	5.35	.....	.....	.....
4354	5.26	3.24	8.50	.....	1.25	.....	1.70	.....	2.95	4.15	4.15	.....
4433	5.02	2.58	7.60	.....	0.94	.....	2.06	.....	3.00	4.01	4.01	.....
.....	6.00	2.00	8.00	Super, Bn, T	1.00	.....	2.00	Bat G, Bl, Bn	3.00	4.00	4.00	.....

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
American Agricultural Chemical Co., Los Angeles, Cal.			
4321	Bradley's California Vegetable.....	R. S. Thompson, Highland	24.52
4348	Bradley's California Vegetable.....	Germain Seed Co., Los Angeles	24.39
4409	Bradley's California Vegetable.....	Pac. Wood & Coal Co., San Diego	24.48
	<i>Guaranteed.....</i>		24.16
4383	Bradley's California Vegetable.....	G. L. Winterbotham, Riverside	26.24
	<i>Guaranteed.....</i>		24.41
4408	Bradley's Fruit and Vine.....	Pac. Wood & Coal Co., San Diego	24.47
	<i>Guaranteed.....</i>		22.86
4382	Bradley's Grain No. 2	G. L. Winterbotham, Riverside	22.04
	<i>Guaranteed.....</i>		19.27
4284	Bradley's Lawn	L. M. Jacobs, Pasadena	25.44
4347	Bradley's Lawn	Aggeler & Musser S. Co., Los Angeles	25.78
4407	Bradley's Lawn	Pac. Wood & Coal Co., San Diego	26.36
	<i>Guaranteed.....</i>		25.01
4411	Bradley's Lemon Tree	Pac. Wood & Coal Co., San Diego	26.18
4420	Bradley's Lemon Tree	Pac. Wood & Coal Co., San Diego	25.45
	<i>Guaranteed.....</i>		25.01
4307	Bradley's Nursery Stock	E. C. Robinson, Pomona	26.40
4341	Bradley's Nursery Stock	W. A. Johnstone, San Dimas	25.65
4396	Bradley's Nursery Stock	J. F. Munro, Upland	25.72
4468	Bradley's Nursery Stock	M. R. Williams, Monrovia	25.68
4497	Bradley's Nursery Stock	E. M. Cope Commercial Co., Redlands	26.17
4716	Bradley's Nursery Stock	Hammon Orchards, Palermo	26.78
4752	Bradley's Nursery Stock	W. H. Grant, Porterville	26.65
4846	Bradley's Nursery Stock	Paul I. Midler, Fair Oaks	25.17
	<i>Guaranteed.....</i>		25.01
4353	Bradley's Orange and Lemon.....	Anaheim O. G. Assn., Anaheim	25.50
4410	Bradley's Orange and Lemon.....	Pac. Wood & Coal Co., San Diego	25.40
4496	Bradley's Orange and Lemon.....	Hemet O. G. Assn., Hemet	27.32
	<i>Guaranteed.....</i>		24.31
Armour Fertilizer Works, Los Angeles, Cal.			
4272	Bat Guano	G. H. Wheeler, Rialto	37.55
	<i>Guaranteed.....</i>		39.01
4290	Blood	N. H. Garrison, Ontario	60.39
4302	Blood	R. T. Murrell, Pomona	63.00
4414	Blood	H. P. Greene, San Diego	63.23
4458	Blood	Robert Dunn, Ventura	62.55
4609	Blood	R. E. Fairchild, Redlands	61.56
4617	Blood	W. T. Henderson, Riverside	60.21
	<i>Guaranteed.....</i>		63.00

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	(Guaranteed as derived from)	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4321	8.29	0.66	8.95	.....	1.93	0.60	0.98	.....	3.51	3.61	3.61	.....
4348	8.15	0.80	8.95	.....	1.71	0.65	1.02	.....	3.38	3.76	3.76	.....
4409	8.41	0.84	9.25	.....	1.67	0.65	1.00	.....	3.32	3.79	3.79	.....
.....	8.00	1.00	9.00	Super, Bn	1.90	0.60	0.80	Bat G, Bl, Bn, T	3.30	4.00	4.00	.....
4383	8.44	0.56	9.00	.....	2.39	0.60	1.01	.....	4.00	3.71	3.71	.....
.....	8.00	1.00	9.00	Super, Bn	2.50	0.40	0.60	Bat G, Bl, Bn, T	3.50	4.00	4.00	.....
4408	8.23	0.92	9.15	.....	1.86	0.60	0.84	.....	3.30	4.11	4.11	.....
.....	7.00	1.00	8.00	Super, Bn	1.75	0.60	0.55	Bat G, Bl, Bn, T	2.90	5.00	5.00	.....
4382	8.56	1.24	9.80	.....	1.40	0.40	1.08	.....	2.88	2.45	2.45	.....
.....	8.00	1.00	9.00	Super, Bn	1.26	0.31	0.90	Bat G, Bl, Bn, T	2.47	2.00	2.00	.....
4284	9.27	0.88	10.15	.....	2.22	0.75	1.16	.....	4.13	1.51	1.51	.....
4347	8.64	1.36	10.00	.....	2.42	0.75	1.05	.....	4.22	1.81	1.81	.....
4407	9.08	1.02	10.10	.....	2.53	0.75	1.06	.....	4.34	1.90	1.90	.....
.....	9.00	1.00	10.00	Super, Bn	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
4411	8.84	0.86	9.70	.....	2.49	0.73	1.13	.....	4.35	1.96	1.96	.....
4420	9.08	0.92	10.00	.....	2.22	0.75	1.10	.....	4.07	1.86	1.86	.....
.....	9.00	1.00	10.00	Super, Bn	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
4307	9.13	1.22	10.35	.....	2.40	0.76	1.11	.....	4.27	1.86	1.86	.....
4341	8.95	1.00	9.95	.....	2.48	0.75	1.00	.....	4.23	1.75	1.75	.....
4396	9.27	0.88	10.15	.....	2.43	0.75	1.02	.....	4.20	1.72	1.72	.....
4468	9.14	0.96	10.10	.....	2.34	0.75	1.13	.....	4.22	1.55	1.55	.....
4497	8.84	1.26	10.10	.....	2.33	0.73	1.26	.....	4.32	1.58	1.58	.....
4716	9.56	1.14	10.70	.....	2.47	0.68	1.12	.....	4.27	1.95	1.95	.....
4752	9.32	1.18	10.45	.....	2.46	0.70	1.19	.....	4.35	1.73	1.73	.....
4846	8.52	1.08	9.60	.....	2.28	0.67	1.18	.....	4.08	1.86	1.86	.....
.....	9.00	1.00	10.00	Super, Bn	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....
4353	8.09	1.06	9.15	.....	2.17	0.67	1.10	.....	3.94	2.98	2.98	.....
4410	7.82	0.98	8.80	.....	2.37	0.67	1.10	.....	4.14	2.62	2.62	.....
4496	8.20	1.30	9.50	.....	2.39	0.75	1.10	.....	4.24	3.44	3.44	.....
.....	8.00	1.00	9.00	Super, Bn	2.20	0.07	0.80	Bat G, Bl, Bn, T	3.70	3.00	3.00	.....
4272	.....	5.25	.....	.....	1.54	1.20	4.84	.....	7.58	2.50	2.50	.....
.....	.....	5.41	.....	.....	3.00	.....	5.18	.....	8.18	2.31	2.31	.....
4290	.....	.....	.....	.....	.....	.....	13.42	.....	13.42	.....	.....	.....
4302	.....	.....	.....	.....	.....	.....	14.00	.....	14.00	.....	.....	.....
4414	.....	.....	.....	.....	.....	.....	14.05	.....	14.05	.....	.....	.....
4458	.....	.....	.....	.....	.....	.....	13.90	.....	13.90	.....	.....	.....
4609	.....	.....	.....	.....	.....	.....	13.68	.....	13.68	.....	.....	.....
4617	.....	.....	.....	.....	.....	.....	13.38	.....	13.38	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	14.00	.....	14.00	.....	.....	.....

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND
NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station PricesArmour Fertilizer Works—
Continued.

4654	Blood	I. W. Freeman, Placentia	65.34
4772	Blood	Arlington Hts. Fruit Co., Riverside	61.43
4778	Blood	Arlington Hts. Fruit Co., Riverside	60.80
	<i>Guaranteed.</i>		63.00
4304	Blood	John Blake, Pasadena	60.84
4616	Blood	W. T. Henderson, Riverside	60.57
	<i>Guaranteed.</i>		58.50
4757	Blood	A. R. Sayles, Lindsay	63.27
	<i>Guaranteed.</i>		61.65
4793	Blood	Arlington Hts. Fruit Co., Riverside	
4811	Blood	Arlington Hts. Fruit Co., Riverside	
4812	Blood	Arlington Hts. Fruit Co., Riverside	
4814	Blood	Arlington Hts. Fruit Co., Riverside	
4822	Blood	Arlington Hts. Fruit Co., Riverside	
4863	Blood	Arlington Hts. Fruit Co., Riverside	
- 4864	Blood	Arlington Hts. Fruit Co., Riverside	
4865	Blood	Arlington Hts. Fruit Co., Riverside	
4890	Blood	Arlington Hts. Fruit Co., Riverside	
	<i>Sold on Station Analysis.</i>		
4260	Bone, Blood and Potash.....	W. A. Lucas, Cucamonga	33.38
4449	Bone, Blood and Potash.....	W. E. Foster, Fillmore	34.88
4470	Bone, Blood and Potash.....	Kenneth Carter, Monrovia	32.40
4603	Bone, Blood and Potash.....	R. E. Fairchild, Redlands	32.90
4618	Bone, Blood and Potash.....	W. T. Henderson, Riverside	33.08
4655	Bone, Blood and Potash.....	I. W. Freeman, Placentia	28.99
4674	Bone, Blood and Potash.....	Harry Kirkland, Porterville	34.07
4756	Bone, Blood and Potash.....	A. R. Sayles, Lindsay	33.94
4285	Bone, Blood and Potash.....	N. H. Garrison, Ontario	33.86
	<i>Guaranteed.</i>		32.35
4431*	Bone Floats	H. P. Green, San Diego	27.58
	<i>Guaranteed.</i>		32.00
4267*	Bone Meal	W. A. Lucas, Cucamonga	35.60
4283*	Bone Meal	John Blake, Pasadena	35.93
4292*	Bone Meal	N. H. Garrison, Ontario	32.03
4416*	Bone Meal	H. P. Greene, San Diego	32.60
4480*	Bone Meal	Azusa Foothill Citrus Assn., Azusa	32.26
4498*	Bone Meal	Azusa Foothill Citrus Assn., Azusa	31.78
4504*	Bone Meal	Azusa Foothill Citrus Assn., Azusa	32.31
4657*	Bone Meal	I. W. Freeman, Placentia	32.86
4760*	Bone Meal	A. R. Sayles, Lindsay	35.77
	<i>Guaranteed.</i>		30.55
4288*	Bone Meal	N. H. Garrison, Ontario	34.63
4451*	Bone Meal	W. E. Foster, Fillmore	31.84
	<i>Guaranteed.</i>		34.50

*4431—99% fine.

*4292—60% fine.

*4267—52% fine.

*4416—72% fine.

*4283—70% fine.

*4480—66% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Sats	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	OCHLORIN
4654	.....	.....	.....	.....	.....	.....	14.52	.....	14.52	.....	.....	.....
4772	.....	.....	.....	.....	.....	.....	13.65	.....	13.65	.....	.....	.....
4778	.....	.....	.....	.....	.....	.....	13.51	.....	13.51	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	14.00	.....	14.00	.....	.....	.....
4304	.....	.....	.....	.....	.....	.....	13.52	.....	13.52	.....	.....	.....
4616	.....	.....	.....	.....	.....	.....	13.46	.....	13.46	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	13.00	.....	13.00	.....	.....	.....
4757	.....	.....	.....	.....	.....	.....	14.06	.....	14.06	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	13.70	.....	13.70	.....	.....	.....
4793	.....	.....	.....	.....	.....	.....	13.61	.....	13.61	.....	.....	.....
4811	.....	.....	.....	.....	.....	.....	13.55	.....	13.55	.....	.....	.....
4812	.....	.....	.....	.....	.....	.....	13.51	.....	13.51	.....	.....	.....
4814	.....	.....	.....	.....	.....	.....	13.59	.....	13.59	.....	.....	.....
4822	.....	.....	.....	.....	.....	.....	13.63	.....	13.63	.....	.....	.....
4863	.....	.....	.....	.....	.....	.....	14.05	.....	14.05	.....	.....	.....
4864	.....	.....	.....	.....	.....	.....	13.76	.....	13.76	.....	.....	.....
4865	.....	.....	.....	.....	.....	.....	14.15	.....	14.15	.....	.....	.....
4890	.....	.....	.....	.....	.....	.....	13.98	.....	13.98	.....	.....	.....
4260	8.33	2.02	10.35	.....	1.46	0.15	2.31	.....	3.92	7.97	7.97	0.65
4499	8.87	1.58	10.45	.....	1.83	0.20	2.40	.....	4.43	7.70	7.70	0.75
4470	7.72	1.08	8.80	.....	1.55	.....	2.21	.....	3.76	8.95	8.95	0.60
4603	8.63	1.72	10.35	.....	1.83	.....	2.20	.....	4.03	7.45	7.45	0.65
4618	8.54	1.56	10.10	.....	1.52	.....	2.34	.....	3.86	8.11	8.11	0.65
4655	7.60	1.40	9.00	.....	1.41	.....	2.17	.....	3.58	6.33	6.33	.....
4674	8.28	2.32	10.60	.....	1.96	.....	2.33	.....	4.29	.....	7.43	1.00
4756	8.23	2.22	10.45	.....	1.60	.....	2.60	.....	4.20	.....	7.39	1.15
4285	8.76	1.74	10.50	.....	1.59	.....	2.36	.....	3.95	8.21	8.21	.....
.....	8.00	2.00	10.00	Super, Bn, G	1.50	.....	2.50	Bl, CSM, Bn, G, T	4.00	7.00	7.00	.....
4431	.....	21.80	.....	.....	.....	.....	1.85	.....	1.85	.....	.....	.....
.....	.....	26.00	.....	.....	.....	.....	2.00	.....	2.00	.....	.....	.....
4267	.....	28.80	.....	.....	.....	.....	2.25	.....	2.25	.....	.....	.....
4283	.....	26.40	.....	.....	.....	.....	2.83	.....	2.83	.....	.....	.....
4292	.....	22.40	.....	.....	.....	.....	2.76	.....	2.76	.....	.....	.....
4416	.....	23.80	.....	.....	.....	.....	2.60	.....	2.60	.....	.....	.....
4480	.....	22.80	.....	.....	.....	.....	2.73	.....	2.73	.....	.....	.....
4498	.....	22.60	.....	.....	.....	.....	2.66	.....	2.66	.....	.....	.....
4504	.....	23.00	.....	.....	.....	.....	2.70	.....	2.70	.....	.....	.....
4657	.....	22.80	.....	.....	.....	.....	2.87	.....	2.87	.....	.....	.....
4760	.....	26.60	.....	.....	.....	.....	2.75	.....	2.75	.....	.....	.....
.....	.....	22.00	.....	.....	.....	.....	2.50	.....	2.50	.....	.....	.....
4288	.....	25.20	.....	.....	.....	.....	2.78	.....	2.78	.....	.....	.....
4451	.....	23.10	.....	.....	.....	.....	2.57	.....	2.57	.....	.....	.....
.....	.....	24.00	.....	.....	.....	.....	3.00	.....	3.00	.....	.....	.....

*4498—67% fine.

*4760—67% fine.

*4504—63% fine.

*4288—68% fine.

*4657—65% fine.

*4451—64% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Armour Fertilizer Works—			
<i>Continued.</i>			
4298*	Bone Meal	R. T. Murrell, Pomona	34.40
	<i>Guaranteed.</i>		32.70
4472*	Bone Meal (Mexican)	Kenneth Carter, Monrovia	33.33
4589*	Bone Meal	J. E. Allen, Highland	34.26
4606*	Bone Meal	R. E. Fairchild, Redlands	30.94
4626*	Bone Meal	J. C. Boyd, Rialto	32.38
	<i>Guaranteed.</i>		33.60
4340	Cotton Seed Meal	W. A. Lucas, Cuamonga	29.98
	<i>Guaranteed.</i>		33.20
4610	Cotton Seed Meal Special	W. T. Henderson, Riverside	28.36
	<i>Guaranteed.</i>		33.70
4736	Cropmaker	J. D. Seal, Porterville	29.30
	<i>Guaranteed.</i>		26.65
4482	Fruit and Vine	A. M. Seeley, Covina	25.31
4622	Fruit and Vine	J. C. Boyd, Rialto	26.89
4799	Fruit and Vine	W. D. Haden, Dinuba	28.75
	<i>Guaranteed.</i>		25.98
4739	Fruit and Vine	J. D. Seal, Porterville	27.10
	<i>Guaranteed.</i>		26.59
4282	Lawn and Garden	John Blake, Pasadena	22.04
4459	Lawn and Garden	Robert Dunn, Ventura	22.02
4593	Lawn and Garden	Valley Supply Co., Glendale	22.03
4737	Lawn and Garden	J. D. Seal, Porterville	28.28
4755	Lawn and Garden	A. R. Sayles, Lindsay	28.30
	<i>Guaranteed.</i>		24.43
4418	Lawn and Garden	H. P. Greene, San Diego	21.81
	<i>Guaranteed.</i>		23.82
4594	Lawn Special	Valley Supply Co., Glendale	26.77
	<i>Guaranteed.</i>		24.91
4301	Nitrate of Soda	R. T. Murrell, Pomona	48.39
4303	Nitrate of Soda	W. A. Lucas, Cucamonga	46.60
4453	Nitrate of Soda	W. E. Foster, Fillmore	48.51
4734	Nitrate of Soda	Harry Kirkland, Porterville	46.60
	<i>Guaranteed.</i>		46.20
4294	Nursery Special	N. H. Garrison, Ontario	29.22
	<i>Guaranteed.</i>		25.01
4262	Orange Tree Manure	W. A. Lucas, Cucamonga	24.59
4287	Orange Tree Manure	N. H. Garrison, Ontario	25.87

*4298—56% fine.

*4606—55% fine.

*4472—54% fine.

*4626—60% fine.

*4589—52% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	CHLORIN
4298	.....	24.80	.....	.....	.....	.....	2.81	.....	2.81	.....	.....	.....
.....	.....	22.00	.....	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
4472	.....	23.80	.....	.....	.....	.....	2.77	.....	2.77	.....	.....	.....
4589	.....	24.40	.....	.....	.....	.....	2.86	.....	2.86	.....	.....	.....
4606	.....	21.00	.....	.....	.....	.....	2.80	.....	2.80	.....	.....	.....
4626	.....	23.40	.....	.....	.....	.....	2.62	.....	2.62	.....	.....	.....
.....	.....	23.00	.....	.....	.....	.....	3.00	.....	3.00	.....	.....	.....
4340	.....	2.75	.....	.....	.....	.....	6.02	.....	6.02	.....	1.66	.....
.....	.....	2.75	.....	.....	.....	.....	6.75	.....	6.75	.....	1.75	.....
4610	.....	2.60	.....	.....	.....	.....	5.64	.....	5.64	.....	1.55	.....
.....	.....	2.80	.....	.....	.....	.....	6.80	.....	6.80	.....	1.70	.....
4736	8.04	2.76	10.80	.....	1.57	.....	2.74	.....	4.31	2.60	2.60	0.75
.....	8.00	2.00	10.00	Super, Bn, G	1.50	.....	2.50	Bl, Bn, G, T	4.00	2.00	2.00	.....
4482	6.20	0.80	7.00	.....	0.88	.....	0.98	.....	1.86	10.60	10.60	0.70
4622	7.14	1.96	9.10	.....	0.70	0.34	1.05	.....	2.09	9.45	9.45	.....
4799	6.66	2.24	8.90	.....	1.10	.....	1.24	.....	2.34	10.54	10.54	0.75
.....	6.00	2.00	8.00	Super, Bn, G	1.00	.....	1.00	Bl, Bn, G, T	2.00	10.00	10.00	.....
4739	6.57	1.48	8.05	.....	0.60	.....	1.59	.....	2.19	9.80	9.80	0.62
.....	6.00	2.00	8.00	Super, Bn, G	0.50	.....	1.50	Bl, Bn, G, T	2.00	10.00	10.00	.....
4282	3.66	0.84	4.50	.....	1.28	0.17	2.05	.....	3.50	4.04	4.04	.....
4459	3.34	0.66	4.00	.....	1.20	0.25	2.20	.....	3.65	3.81	3.81	.....
4593	4.69	0.76	5.45	.....	1.96	0.20	1.62	.....	3.78	2.97	2.97	.....
4737	4.94	0.86	5.80	.....	1.62	.....	2.89	.....	4.51	.....	4.95	1.05
4755	4.72	1.23	5.95	.....	1.55	.....	3.00	.....	4.55	.....	4.62	1.05
.....	4.00	1.00	5.00	Super, Bn, G	1.50	.....	2.50	Bl, Bn, G, T	4.00	4.00	4.00	.....
4418	4.20	0.60	4.80	.....	1.90	.....	1.73	.....	3.63	3.68	3.68	.....
.....	4.00	1.00	5.00	Super, Bn, G	2.00	.....	2.00	Bl, Bn, G, T	4.00	4.00	4.00	.....
4594	.....	.....	6.20	.....	0.73	0.17	3.70	.....	4.60	2.11	2.11	.....
.....	.....	.....	5.00	Bn, G	1.00	.....	3.50	Bl, Bn, G, T	4.50	2.00	2.00	.....
4801	.....	.....	.....	.....	15.71	.....	.....	.....	15.71	.....	.....	.....
4303	.....	.....	.....	.....	15.13	.....	.....	.....	15.13	.....	.....	.....
4453	.....	.....	.....	.....	15.75	.....	.....	.....	15.75	.....	.....	.....
4734	.....	.....	.....	.....	15.13	.....	.....	.....	15.13	.....	.....	.....
.....	.....	.....	.....	.....	15.00	.....	.....	.....	15.00	.....	.....	.....
4294	9.84	0.36	10.20	.....	2.89	0.30	1.91	.....	5.10	1.61	1.61	.....
.....	9.00	1.00	10.00	Super, Bn, G	2.35	0.75	1.00	Bl, Bn, G, T	4.10	1.50	1.50	1.50
4262	7.60	2.40	10.00	.....	1.18	0.23	1.46	.....	2.87	4.24	4.24	.....
4287	8.60	2.00	10.60	.....	1.43	0.20	1.48	.....	3.11	4.24	4.24	0.55

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Armour Fertilizer Works—			
<i>Continued.</i>			
4299	Orange Tree Manure	R. T. Murrell, Pomona	25.05
4604	Orange Tree Manure	R. E. Fairchild, Redlands	25.65
4624	Orange Tree Manure	J. C. Boyd, Rialto	24.61
4660	Orange Tree Manure	I. W. Freeman, Placentia	23.82
4735	Orange Tree Manure	J. D. Seal, Porterville	26.54
	<i>Guaranteed.</i>		24.63
4600	R. B. Special No. 2	Robert Baird, Porterville	42.40
	<i>Guaranteed.</i>		43.94
4249	Special	Arlington Hts. Fruit Co., Riverside	31.97
4250	Special	Arlington Hts. Fruit Co., Riverside	34.17
4251	Special	Arlington Hts. Fruit Co., Riverside	33.67
4252	Special	Arlington Hts. Fruit Co., Riverside	31.47
4254	Special	Arlington Hts. Fruit Co., Riverside	30.77
4265	Special	Arlington Hts. Fruit Co., Riverside	33.08
	<i>Guaranteed.</i>		32.58
4259	Special	W. A. Lucas, Cucamonga	26.69
	<i>Guaranteed.</i>		28.05
4266	Special	W. A. Lucas, Cucamonga	28.05
4471	Special	Kenneth Carter, Monrovia	27.56
4481	Special	Mrs. Mary McIntosh Glennan, Covina	25.62
	<i>Guaranteed.</i>		27.91
4295	Special	N. H. Garrison, Ontario	33.75
4395	Special	N. H. Garrison, Ontario	35.40
4607	Special	R. E. Fairchild, Redlands	38.01
4623	Special	J. C. Boyd, Rialto	36.65
4656	Special	I. W. Freeman, Placentia	33.11
	<i>Guaranteed.</i>		35.30
4495	Special	A. M. Seeley, Covina	21.02
	<i>Guaranteed.</i>		25.01
4527	Special	C. L. Nye, Riverside	38.57
	<i>Guaranteed.</i>		37.19
4612	Special	W. T. Henderson, Riverside	36.23
	<i>Guaranteed.</i>		38.88
4689	Special	W. L. Whepley, Lemon Cove	46.54
	<i>Guaranteed.</i>		47.20
4761	Special	A. R. Sayles, Lindsay	36.06
	<i>Guaranteed.</i>		33.38
4658	Special O.T.M.	I. W. Freeman, Placentia	24.08
	<i>Guaranteed.</i>		26.46
4738	Special 2-12-8	J. D. Seal, Porterville	29.64
	<i>Guaranteed.</i>		28.52

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED							CHLORINE				
	PHOSPHORIC ACID			NITROGEN			POTASH					
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4299	8.17	2.28	10.45	.....	1.22	0.20	1.49	.....	2.91	4.17	4.17	.....
4604	8.22	2.28	10.50	.....	1.40	0.20	1.45	.....	3.05	4.31	4.31	.....
4624	8.08	1.92	10.00	.....	1.25	0.18	1.50	.....	2.93	4.08	4.08	.....
4660	7.34	1.76	9.10	.....	1.60	.....	1.44	.....	3.04	3.96	3.96	.....
4735	8.11	2.24	10.35	.....	1.54	.....	1.75	.....	3.29	4.35	4.35	0.82
.....	8.00	2.00	10.00	Super, Bn, G	1.50	.....	1.50	Bl, Bn, G, T	3.00	4.00	4.00	.....
4600	8.54	4.96	13.50	.....	.....	.....	5.06	.....	5.06	7.45	7.45	.....
.....	6.68	6.13	12.81	Bn, T	.....	.....	5.57	Bl, Bn, T	5.57	7.42	7.42	.....
4249	.....	5.15	.....	.....	.....	.....	5.80	.....	5.80	2.10	2.10	0.75
4250	.....	5.50	.....	.....	.....	.....	6.12	.....	6.12	2.55	2.55	0.75
4251	.....	5.80	.....	.....	.....	.....	5.90	.....	5.90	2.70	2.70	0.70
4252	.....	5.00	.....	.....	.....	.....	5.76	.....	5.76	1.93	1.93	0.65
4254	.....	5.25	.....	.....	.....	.....	5.41	.....	5.41	2.44	2.44	.....
4265	.....	5.35	.....	.....	.....	.....	6.11	.....	6.11	1.75	1.75	.....
.....	.....	5.00	Bn, T	.....	.....	.....	6.00	Bl, Bn, T	6.00	2.00	2.00	.....
4259	7.35	2.90	10.25	.....	1.27	0.16	1.13	.....	2.56	7.11	7.11	.....
.....	8.00	2.00	10.00	Super, Bn, G	1.50	.....	1.50	Bl, Bn, G, T	3.00	7.00	7.00	.....
4266	8.60	3.20	11.80	.....	0.33	0.20	1.37	.....	1.90	8.58	8.58	.....
4471	9.64	3.16	12.80	.....	0.37	0.25	1.26	.....	1.88	7.51	7.51	.....
4481	9.39	1.96	11.35	.....	0.68	.....	1.27	.....	1.95	6.89	6.89	.....
.....	.....	12.00	Super, Bn, G	0.50	.....	.....	1.50	Bl, Bn, G, T	2.00	8.00	8.00	.....
4295	.....	16.20	.....	.....	.....	.....	2.05	.....	2.05	9.08	9.08	0.65
4395	.....	16.20	.....	.....	.....	.....	1.88	.....	1.88	11.17	11.17	.....
4607	.....	18.80	.....	.....	.....	.....	2.12	.....	2.12	10.50	10.50	.....
4623	11.06	5.94	17.00	.....	.....	.....	2.30	.....	2.30	10.05	10.05	0.65
4656	.....	16.20	.....	.....	.....	.....	1.88	.....	1.88	9.16	9.16	.....
.....	.....	17.00	Bn	.....	.....	.....	2.00	Bl, Bn, T	2.00	10.00	10.00	.....
4495	7.00	1.00	8.00	.....	1.80	0.57	1.05	.....	3.42	1.46	1.46	.....
.....	9.00	1.00	10.00	Super, Bn, G	2.35	0.75	1.00	Bl, Bn, G, T	4.10	1.50	1.50	.....
4527	.....	18.50	.....	.....	1.02	.....	2.28	.....	3.30	7.87	7.87	0.60
.....	.....	16.50	Bn	1.50	.....	.....	2.00	Bn, T	3.50	8.00	8.00	.....
4612	.....	2.80	.....	.....	5.67	.....	2.30	.....	7.97	.....	6.02	1.25
.....	.....	2.50	T	6.00	.....	.....	3.00	T	9.00	5.00	5.00	.....
4689	5.68	2.32	8.00	.....	.....	.....	4.00	.....	4.00	19.42	19.42	0.60
.....	4.16	4.16	8.32	Super, Bn, G	.....	.....	4.33	Bl, Bn, CSM, G, T	4.33	18.50	18.50	.....
4761	.....	23.40	.....	.....	.....	.....	2.22	.....	2.22	4.78	4.78	.....
.....	.....	20.00	Bn	.....	.....	.....	2.25	Bn	2.25	5.00	5.00	.....
4658	.....	9.40	.....	.....	.....	.....	2.50	.....	2.50	4.27	4.27	.....
.....	.....	10.00	Bn, G	.....	.....	.....	3.00	Bl, Bn, G, T	3.00	4.00	4.00	.....
4738	7.78	4.12	11.90	.....	.....	.....	2.22	.....	2.22	8.23	8.23	0.80
.....	8.00	4.00	12.00	Super, Bn, G	.....	.....	2.00	Bn	2.00	8.00	8.00	.....

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND
NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station PricesArmour Fertilizer Works—
Continued.

4800	Special 2-12-8..... <i>Guaranteed.</i>	W. D. Haden, Dinuba	30.97 27.91
4798	Special 2-17-10	P. J. Pierce, Sanger	37.98 35.30
4261	Special 5-8-2	W. A. Lucas, Cucamonga	25.72
4286	Special 5-8-2	N. H. Garrison, Ontario	30.70
4424	Special 5-8-2	S. Cal. State Hospital, Patton	23.75
4452	Special 5-8-2	W. E. Foster, Fillmore	27.59
4588	Special 5-8-2	J. E. Allen, Highland	22.08
4592	Special 5-8-2	Valley Supply Co., Glendale	29.20
4605	Special 5-8-2	R. E. Fairchild, Redlands	23.76
4611	Special 5-8-2	W. T. Henderson, Riverside	26.47
4659	Special 5-8-2	I. W. Freeman, Placentia	27.08
4759	Special 5-8-2	A. R. Sayles, Lindsay	30.33 26.65
	<i>Guaranteed.</i>		
4415	Special 5-8-2	H. P. Greene, San Diego	24.24 24.82
4264	Sulfate of Potash	W. A. Lucas, Cucamonga	56.54
4293	Sulfate of Potash	N. H. Garrison, Ontario	56.59
4305	Sulfate of Potash	R. T. Murrell, Pomona	56.50
4454	Sulfate of Potash	W. E. Foster, Fillmore	56.41
4608	Sulfate of Potash	R. E. Fairchild, Redlands	55.68
4758	Sulfate of Potash	A. R. Sayles, Lindsay	56.13 54.72
	<i>Guaranteed.</i>		
4300	Superphosphate	R. T. Murrell, Pomona	17.01
4469	Superphosphate	Kenneth Carter, Monrovia	17.90 15.98
	<i>Guaranteed.</i>		
4263*	Tankage	W. A. Lucas, Cucamonga	46.30
4625*	Tankage	J. C. Boyd, Rialto	47.75
4661*	Tankage	I. W. Freeman, Placentia	45.73
4667*	Tankage	P. J. Neilly, Claremont	47.97
4771*	Tankage	Lee C. Pitzer, Lordsburg	52.02 46.44
	<i>Guaranteed.</i>		
4291*	Tankage	N. H. Garrison, Ontario	32.69
	<i>Guaranteed.</i>		30.85
4445*	Tankage	Frank Daybell, Azusa	
4768*	Tankage	S. Roddick, Highland	
4795*	Tankage	R. J. Laidlaw, Placentia	
4810*	Tankage	H. G. Munhall, Orange	
4892*	Tankage	N. Frank Morse, Fullerton	

Sold on Station Analysis.

*4263—75% fine.

*4667—79% fine. Some hoof.

*4625—64% fine.

*4771—76% fine.

*4661—80% fine. Some hoof.

*4291—77% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4800	7.87	5.68	13.55	Super, <i>Bn, G</i>	0.72	.....	1.72	.....	2.44	8.04	8.04	0.70
.....	8.00	4.00	12.00	.....	0.50	.....	1.50	<i>Bn, G</i>	2.00	8.00	8.00	.....
4798	.....	19.40	.....	.....	.....	.....	2.07	.....	2.07	10.20	10.20	0.65
.....	.....	17.00	.....	<i>Bn</i>	.....	.....	2.00	<i>Bn</i>	2.00	10.00	10.00	.....
4261	7.60	2.20	9.80	.....	1.38	0.28	2.10	.....	3.76	2.27	2.27	.....
4286	8.41	2.84	11.25	.....	1.74	0.20	2.67	.....	4.61	2.63	2.63	0.60
4424	7.60	1.50	9.10	.....	1.60	0.20	1.76	.....	3.56	2.03	2.03	.....
4452	8.94	1.56	10.50	.....	1.52	0.20	2.38	.....	4.10	2.18	2.18	.....
4588	7.50	0.80	8.30	.....	1.48	.....	1.90	.....	3.38	1.65	1.65	.....
4592	9.35	2.50	11.85	.....	2.09	.....	2.19	.....	4.28	2.35	2.35	.....
4605	7.30	1.80	9.10	.....	1.57	0.17	1.80	.....	3.54	2.08	2.08	.....
4611	8.70	1.00	9.70	.....	1.39	0.24	2.35	.....	3.98	2.17	2.17	.....
4659	8.81	1.44	10.25	.....	1.75	.....	2.23	.....	3.98	2.52	2.52	.....
4759	7.83	2.67	10.50	.....	1.60	.....	3.07	.....	4.67	2.41	2.41	.....
.....	8.00	2.00	10.00	<i>Super, Bn, G</i>	1.50	.....	2.50	<i>Bl, Bn, G, T, CSM</i>	4.00	2.00	2.00	..
4415	8.12	1.58	9.70	.....	2.74	.....	1.03	.....	3.77	2.32	2.32	.....
.....	8.00	2.00	10.00	<i>Super, Bn, G</i>	3.00	.....	1.00	<i>Bl, Bn, G, T, CSM</i>	4.00	2.00	2.00	.....
4264	.....	.....	.....	.....	.....	.....	.....	.....	49.60	49.60	1.50	.....
4293	.....	.....	.....	.....	.....	.....	.....	.....	49.64	49.64	1.88	.....
4305	.....	.....	.....	.....	.....	.....	.....	.....	49.56	49.56	2.15	.....
4454	.....	.....	.....	.....	.....	.....	.....	.....	49.48	49.48	1.62	.....
4608	.....	.....	.....	.....	.....	.....	.....	.....	48.84	48.84	1.84	.....
4758	.....	.....	.....	.....	.....	.....	.....	.....	49.24	49.24	2.32	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	48.00	.....	.....
4300	18.10	0.70	18.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
4469	19.04	0.36	19.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4263	.....	.....	6.80	.....	.....	.....	9.63	.....	9.63	.....	.....	.....
4625	.....	.....	6.90	.....	.....	.....	9.95	.....	9.95	.....	.....	.....
4661	.....	.....	7.20	.....	.....	.....	9.43	.....	9.43	.....	.....	.....
4667	.....	.....	6.00	.....	.....	.....	10.15	.....	10.15	.....	.....	.....
4771	.....	.....	5.60	.....	.....	.....	11.16	.....	11.16	.....	.....	.....
.....	.....	.....	5.50	.....	.....	.....	9.88	.....	9.88	.....	.....	.....
4291	.....	.....	11.85	.....	.....	.....	5.62	.....	5.62	.....	.....	.....
.....	.....	.....	11.50	.....	.....	.....	5.25	.....	5.25	.....	.....	.....
4445	.....	.....	10.55	.....	.....	.....	6.06	.....	6.06	.....	.....	.....
4768	.....	.....	13.85	.....	.....	.....	5.50	.....	5.50	.....	.....	.....
4795	.....	.....	15.00	.....	.....	.....	4.90	.....	4.90	.....	.....	.....
4810	.....	.....	12.95	.....	.....	.....	5.42	.....	5.42	.....	.....	.....
4892	.....	.....	14.25	.....	.....	.....	5.65	.....	5.65	.....	.....	.....

*4445—75% fine.

*4768—78% fine.

*4795—66% fine.

*4810—70% fine.

*4892—69% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND
NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station Prices

Armour Fertilizer Works—
Continued.

4289*	Tankage (Colorado)	N. H. Garrison, Ontario	40.85
4297*	Tankage (Los Angeles)	N. H. Garrison, Ontario	36.67
4450*	Tankage	W. E. Foster, Fillmore	37.87
	<i>Guaranteed.</i>		<i>38.01</i>
4727*	Tankage	W. J. Walin, Colton	33.44
	<i>Guaranteed.</i>		<i>30.86</i>
4809*	Tankage	C. L. Nye, Riverside	40.26
	<i>Guaranteed.</i>		<i>40.16</i>
4460	Walnut Special	Robert Dunn, Ventura	28.04
	<i>Guaranteed.</i>		<i>26.51</i>
4638*	Whale Tankage	Tustin Lemon Association, Tustin	55.38
	<i>Guaranteed.</i>		<i>55.38</i>
4853*	Whale Tankage	T. E. Ketcheson, Upland	
	<i>Sold on Station Analysis.</i>		

W. B. Bethell, Redlands, Cal.

4519*	Bone Meal (German)	Factory, Redlands	34.62
	<i>Guaranteed.</i>		<i>32.63</i>
4520*	Whale Bone Meal	Factory, Redlands	38.26
	<i>Guaranteed.</i>		<i>35.95</i>

**California Fertilizer Works,
San Francisco, Cal.**

4796	Fruit and Vine	W. D. Weaver, Fresno	28.01
	<i>Guaranteed.</i>		<i>27.29</i>
4707	Fruit Orange and Vine	C. O. Cowles, Lindsay	27.29
	<i>Guaranteed.</i>		<i>26.30</i>

4491*	High Grade Bone and Bl. Meal....	H. Postlethwaite, San Jose	39.64
4492*	High Grade Bone and Bl. Meal....	H. Postlethwaite, San Jose	40.34
	<i>Guaranteed.</i>		<i>37.70</i>
4389*	High Grade Bone and Bl. Meal....	Hanson & Seares, Upland	35.90
	<i>Guaranteed.</i>		<i>33.47</i>

4894	High Grade Bone and Bl. Super....	H. G. Eckstein, Upland	34.32
	<i>Guaranteed.</i>		<i>33.77</i>
4709	Orange Tree B	F. H. Wilson, Dinuba	25.53
	<i>Guaranteed.</i>		<i>26.95</i>
4712	Special	Security Investment Co., Palermo	29.48
	<i>Guaranteed.</i>		<i>29.33</i>

4732*	Special	T. J. Dofflemyer & Sons, Exeter	42.72
	<i>Guaranteed.</i>		<i>39.46</i>
4883	Special	Silva-Bergtholdt Co., Newcastle	31.88
	<i>Guaranteed.</i>		<i>31.60</i>

*4289—60% fine.
*4297—83% fine.
*4450—80% fine.
*4727—75% fine.

*4809—77% fine.
*4638—83% fine.
*4853—80% fine.
*4519—86% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED						POTASH			CHLORIN	
	PHOSPHORIC ACID			NITROGEN			From Sulfate		Total		
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total		
4289	.....	.....	7.30	.....	.....	.....	8.28	.....	8.28	.....	.....
4297	.....	.....	8.65	.....	.....	.....	7.08	.....	7.08	.....	.....
4450	.....	.....	8.40	.....	.....	.....	7.40	.....	7.40	.....	.....
.....	.....	.....	6.50	.....	.....	.....	7.75	.....	7.75	.....	.....
4727	.....	.....	13.90	.....	.....	.....	5.45	.....	5.45	.....	.....
.....	.....	.....	13.00	.....	.....	.....	5.00	.....	5.00	.....	.....
4809	.....	.....	7.30	.....	.....	.....	8.14	.....	8.14	.....	.....
.....	.....	.....	6.50	.....	.....	.....	8.25	.....	8.25	.....	.....
4460	7.61	1.44	9.05	.....	1.02	0.22	1.52	.....	2.76	8.25	8.25
.....	8.00	2.00	10.00	<i>Super,</i> <i>Bn, G</i>	1.00	.....	1.50	<i>Bl, Bn,</i> <i>G, T</i>	2.50	7.00	7.00
4638	.....	.....	.....	.....	.....	.....	12.88	.....	12.88	.....	.....
.....	.....	.....	.....	.....	.....	.....	12.88	.....	12.88	.....	.....
4853	.....	.....	1.10	.....	.....	.....	12.60	.....	12.60	.....	.....
4519	.....	.....	33.50	.....	.....	.....	1.04	.....	1.04	.....	.....
.....	.....	.....	32.00	.....	.....	.....	0.89	.....	0.89	.....	.....
4520	.....	.....	26.50	.....	.....	.....	3.35	.....	3.35	.....	.....
.....	.....	.....	28.00	.....	.....	.....	2.50	.....	2.50	.....	.....
4796	7.43	2.72	10.15	.....	0.90	.....	1.72	.....	2.62	6.74	6.74
.....	6.00	3.00	9.00	<i>Bn, Super</i>	0.50	.....	2.00	<i>Bl, Bn</i>	2.50	7.15	7.15
4707	7.81	2.54	10.35	.....	0.97	.....	1.96	.....	2.93	5.75	5.75
.....	6.00	3.50	9.50	<i>Bn Super,</i> <i>Super</i>	0.75	.....	2.00	<i>Bl, Bn</i>	2.75	6.00	6.00
4491	.....	.....	20.15	.....	.....	.....	5.00	.....	5.00	.....	.....
4492	.....	.....	20.45	.....	.....	.....	5.10	.....	5.10	.....	.....
.....	.....	.....	18.00	<i>Bn</i>	.....	.....	5.00	<i>Bl, Bn</i>	5.00	.....	.....
4389	.....	.....	24.00	.....	.....	.....	4.33	.....	4.33	.....	.....
.....	.....	.....	22.00	<i>Bn</i>	.....	.....	4.10	<i>Bn, Meat,</i> <i>Bl</i>	4.10	.....	.....
4894	11.05	6.50	17.55	.....	.....	.....	3.90	.....	3.90	.....	.....
.....	12.00	5.00	17.00	<i>Bn, Super</i>	.....	.....	3.90	<i>Bl, Meat</i>	3.90	.....	.....
4709	6.35	2.40	8.75	.....	0.13	0.64	0.67	.....	1.44	.....	9.78
.....	6.50	2.50	9.00	<i>Bn, Super</i>	.....	0.83	0.83	<i>Bl, Meat</i>	1.66	10.00	10.00
4712	7.87	1.88	9.75	.....	1.97	0.23	2.37	.....	4.57	3.16	3.16
.....	8.00	2.00	10.00	<i>Bn Super</i>	2.00	.....	2.50	<i>Bl, Bn</i>	4.50	3.00	3.00
.....	.....	.....	.....	<i>Super</i>	.....	.....	.....	.....	.....	.....	.....
4732	.....	.....	14.60	.....	.....	.....	7.49	.....	7.49	.....	.....
.....	.....	.....	13.00	<i>Bn</i>	.....	.....	7.00	<i>Bl, Bn</i>	7.00	.....	.....
4883	6.76	2.74	9.50	.....	1.08	.....	1.92	.....	3.00	9.47	9.47
.....	6.50	3.50	10.00	<i>Bn, Super</i>	0.75	.....	2.10	<i>Bl, Bn</i>	2.85	9.00	9.00

*4520—47% fine.

*4491—85% fine.

*4492—85% fine.

*4389—87% fine.

*4732—84% fine. Tankage.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
California Fertilizer Works—			
<i>—Continued.</i>			
4690	Special Nursery Stock	A. C. Dungan, Exeter	29.09
4713	Special Nursery Stock	Security Investment Co., Palermo	28.06
4797	Special Nursery Stock	W. D. Weaver, Fresno	29.83
	<i>Guaranteed.....</i>		28.26
4387	Special Orange A	Hanson & Seares, Upland	27.75
	<i>Guaranteed.....</i>		26.57
4714	Special Orange and Lemon	Security Investment Co., Palermo	24.76
	<i>Guaranteed.....</i>		26.75
4388	Special Orange Tree	Hanson & Seares, Upland	27.72
	<i>Guaranteed.....</i>		26.78
4390	Sulfate of Potash	Hanson & Seares, Upland	56.27
	<i>Guaranteed.....</i>		55.86
4733	Sulphate of Potash	T. J. Dofflemyer & Sons, Exeter	56.82
	<i>Guaranteed.....</i>		57.00
Chapman Fertilizer Co., Los Angeles, Cal.			
4273	Fall Application	R. B. Campbell, Ontario	34.50
4417	Fall Application	H. E. Perry Porterville	35.01
	<i>Guaranteed.....</i>		33.11
4627	Spring Application	R. B. Campbell, Ontario	36.66
4672	Spring Application	W. H. Moffatt, Lemon Cove	38.41
	<i>Guaranteed.....</i>		37.72
Federal Chemical Co., Los Angeles, Cal.			
4532*	.....	Boydston, Bros. Porterville	9.98
	<i>Guaranteed.....</i>		9.40
4816*	.....	F. A. Bliss, Duarte	14.94
	<i>Guaranteed.....</i>		16.76
4817*	.....	F. A. Bliss, Duarte	16.53
	<i>Guaranteed.....</i>		17.70
4818*	.....	F. A. Bliss, Duarte	17.21
	<i>Guaranteed.....</i>		18.64
4819*	.....	F. A. Bliss, Duarte	15.18
	<i>Guaranteed.....</i>		15.82
4891*	3-8-2	W. C. Raymond, Riverside	17.04
	<i>Guaranteed.....</i>		19.04

*4532—No brand name and statement of source of materials as required by Fertilizer Act.

*4816—No brand name as required by Fertilizer Act. Statement of source of materials incomplete.

*4817—No brand name as required by Fertilizer Act. Statement of source of materials incomplete.

*4818—No brand name as required by Fertilizer Act. Statement of source of materials incomplete.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED										CHLORIN CHLORINE
	PHOSPHORIC ACID			NITROGEN				POTASH			
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total
4690	7.96	2.14	10.10	.....	1.00	.....	3.12	.....	4.12	2.19	2.19
4713	8.17	2.08	10.25	.....	1.33	.....	2.52	.....	3.85	2.52	2.52
4797	7.15	3.00	10.15	.....	1.40	.....	2.96	.....	4.36	2.31	2.31
.....	7.00	3.00	10.00	Bn, Super	1.00	.....	3.00	Bl, Bn	4.00	2.00	2.00
4387	4.82	3.48	8.30	.....	.....	0.53	1.15	.....	1.68	11.74	11.74
.....	5.00	2.50	7.50	Super,	.....	0.50	1.00	Bl, Meat	1.50	12.00	12.00
4714	6.63	3.12	9.75	.....	1.01	.....	1.64	.....	2.65	5.11	5.11
.....	6.00	4.00	10.00	Bn Super Super	0.70	.....	2.30	Bl, Bn	3.00	5.00	5.00
4388	6.08	3.32	9.40	.....	0.70	.....	1.92	.....	2.62	.....	7.76
.....	6.00	3.50	9.50	Super	0.50	.....	2.00	Bl, Bn	2.50	7.10	7.10
4390	.....	.....	.....	.....	.....	.....	.....	.....	49.36	49.36	1.68
.....	.....	.....	.....	.....	.....	.....	.....	.....	49.00	49.00	.....
4733	.....	.....	.....	.....	.....	.....	.....	.....	49.84	49.84	1.82
.....	.....	.....	.....	.....	.....	.....	.....	.....	50.00	50.00	.....
4273	.....	.....	19.20	.....	.....	.....	1.09	.....	1.09	11.00	11.00
4417	13.12	5.88	19.00	.....	.....	.....	1.00	.....	1.00	11.94	11.94
.....	.....	.....	18.00	Super Bn	.....	.....	0.75	Bn	0.75	12.00	12.00
4627	6.12	5.18	11.30	.....	1.55	.....	5.05	.....	6.60	.....	.....
4672	5.78	3.82	9.60	.....	1.68	.....	5.72	.....	7.40	.....	.....
.....	.....	.....	10.50	Super, Bn, T	1.50	.....	5.50	Bl, Bn, T	7.00	.....	.....
4532	10.62	0.28	10.90	.....	.....	.....	.....	.....	.....	.....	.....
.....	10.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4816	7.34	0.36	7.70	.....	2.61	.....	.....	.....	2.61	.....	.....
.....	8.00	.....	.....	Super	3.00	.....	.....	.....	3.00	.....	.....
4817	8.18	0.32	8.50	.....	2.87	.....	.....	.....	2.87	.....	.....
.....	9.00	.....	.....	Super	3.00	.....	.....	.....	3.00	.....	.....
4818	9.33	0.32	9.65	.....	2.74	.....	.....	.....	2.74	.....	.....
.....	10.00	.....	.....	Super	3.00	.....	.....	.....	3.00	.....	.....
4819	7.40	0.30	7.70	.....	2.67	.....	.....	.....	2.67	.....	.....
.....	7.00	.....	.....	Super	3.00	.....	.....	.....	3.00	.....	.....
4891	7.55	0.40	7.95	.....	2.48	.....	.....	.....	2.48	2.02	2.02
.....	8.00	.....	.....	Super	3.00	.....	.....	.....	3.00	2.00	2.00

*4819—No brand name as required by Fertilizer Act. Statement of source of materials incomplete.

*4891—Statement of source of materials incomplete.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
General Fertilizer Association, Los Angeles, Cal.			
4508	Bat Guano <i>Guaranteed.</i>	C. A. Merritt, Glendora	22.22
4358	Blood <i>Guaranteed.</i>	Redlands Fertilizer Assn., Redlands	23.63
4521	Blood <i>Guaranteed.</i>	C. A. Merritt, Glendora	61.92
			63.00
4465*	Bone Meal <i>Guaranteed.</i>	Albert Miller, Highland	61.11
			61.56
4465*	Bone Meal <i>Guaranteed.</i>	Albert Miller, Highland	34.30
			38.45
4794*	Bone Meal <i>Guaranteed.</i>	W. B. Cavers, Upland	38.32
			38.02
4426*	Fish Bone <i>Guaranteed.</i>	Etiwanda Citrus Fruit Assn., Etiwanda..	38.46
			40.17
4258	G. F. A. No. 3..... <i>Guaranteed.</i>	Cucamonga C. F. G. Assn., Cucamonga..	25.87
			21.80
4428	G. F. A. No. 3..... <i>Guaranteed.</i>	Etiwanda Citrus Fruit Assn., Etiwanda..	24.66
			21.80
4345	G. F. A. No. 5..... <i>Guaranteed.</i>	Riverside Hts. O. G. Assn., Riverside...	33.75
			34.26
4357*	G. F. A. No. 6..... <i>Guaranteed.</i>	Redlands Fert. Assn., Redlands	30.60
			30.54
4423*	G. F. A. No. 6..... <i>Guaranteed.</i>	So. Cal. State Hospital, Patton	27.69
			28.74
4257	G. F. A. No. 11..... <i>Guaranteed.</i>	Cucamonga C. F. G. Assn., Cucamonga..	30.89
			30.06
4346*	G. F. A. No. 15..... <i>Guaranteed.</i>	Riverside Hts. O. G. Assn., Riverside...	36.63
			34.56
4322	G. F. A. Special..... <i>Guaranteed.</i>	W. F. Grow, Highland	29.41
			32.15
4507	G. F. A. Special..... <i>Guaranteed.</i>	C. A. Merritt, Glendora	30.92
			31.24
4590	G. F. A. Special	W. F. Grow, Highland	29.56
			31.85
4599	G. F. A. Special..... <i>Guaranteed.</i>	So. Cal. State Hospital, Patton	29.39
			26.65
4639	G. F. A. Special..... <i>Guaranteed.</i>	Tustin Lemon Assn., Tustin	32.60
			33.68
4255	G. F. A. Special No. 2.....	Cucamonga Cit. Grs. Assn., Cucamonga	29.24
4323	G. F. A. Special No. 2.....	W. F. Grow, Highland	27.71
4849	G. F. A. Special No. 2..... <i>Guaranteed.</i>	E. R. Swiler, Pomona	28.08
			27.17

*4465—54% fine.

*4794—51% fine.

*4426—47% fine.

*4357—No statement of source of materials as required by Fertilizer Act.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED										CHLORIN	
	PHOSPHORIC ACID				NITROGEN				POTASH			
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4508	.....	.....	16.20	.....	0.93	.....	1.11	.....	2.04	.....	0.44	.....
	.....	.....	16.70	.....	.....	.....	2.00	.....	2.00	.....	0.60	.....
4358	.....	.....	.....	.....	.....	.....	13.76	.....	13.76	.....	.....	.....
	.....	.....	.....	.....	.....	.....	14.00	.....	14.00	.....	.....	.....
4521	.....	.....	.....	.....	.....	.....	13.58	.....	13.58	.....	.....	.....
	.....	.....	.....	.....	.....	.....	13.68	.....	13.68	.....	.....	.....
4465	.....	.....	22.30	.....	.....	.....	3.31	.....	3.31	.....	.....	.....
	.....	.....	26.00	.....	.....	.....	3.50	.....	3.50	.....	.....	.....
4794	.....	.....	27.00	.....	.....	.....	3.26	.....	3.26	.....	.....	.....
	.....	.....	26.00	.....	.....	.....	3.40	.....	3.40	.....	.....	.....
4426	.....	.....	25.20	.....	.....	.....	3.67	.....	3.67	.....	.....	.....
	.....	.....	26.00	.....	.....	.....	3.90	.....	3.90	.....	.....	.....
4258	8.10	4.40	12.50	.....	.....	.....	1.96	.....	1.96	5.43	5.43	0.65
	7.00	3.00	10.00	Super, Bn	.....	.....	1.65	Bl, Bn	1.65	5.00	5.00	.....
4428	8.21	3.34	11.55	.....	0.90	.....	1.13	.....	2.03	.....	5.82	0.60
	8.00	2.00	10.00	Super, Bn, G	.....	.....	.....	Bl, Bn, G	1.65	.....	5.00	.....
4345	3.98	9.32	13.30	.....	.....	.....	4.50	.....	4.50	.....	2.48	1.25
	8.00	4.00	12.00	Super, Bn	.....	.....	.....	Bl, Bn	5.00	2.00	2.00	.....
4357	6.50	5.50	12.00	.....	0.33	0.45	2.25	.....	3.03	.....	6.54	0.65
	8.00	4.00	12.00	.....	.....	.....	.....	.....	3.00	.....	6.00	.....
4423	4.81	6.04	10.85	.....	1.85	.....	1.52	.....	3.37	.....	4.99	.....
	8.00	2.00	10.00	.....	.....	.....	.....	.....	3.00	.....	6.00	.....
4257	9.58	9.12	18.70	.....	.....	.....	1.53	.....	1.53	.....	6.56	.....
	12.00	6.00	18.00	Bn, G	.....	.....	1.50	Bl, Bn, G	1.50	.....	6.50	.....
4346	13.78	7.22	21.00	.....	.....	.....	1.15	.....	1.15	.....	11.22	0.70
	12.00	8.00	20.00	.....	.....	.....	1.20	.....	1.20	.....	10.00	.....
4322	6.26	4.84	11.10	.....	1.87	.....	2.22	.....	4.09	.....	3.61	0.90
	8.00	4.00	12.00	Bn, G	1.25	.....	3.25	Bl, Bn, G	4.50	.....	3.10	.....
4507	5.60	6.40	12.00	.....	1.81	.....	2.65	.....	4.46	.....	2.76	0.75
	8.00	4.00	12.00	Bn, G	2.00	.....	2.50	Bl, Bn, G	4.50	.....	3.10	.....
4590	5.04	6.76	11.80	.....	1.48	1.48	1.22	.....	4.18	.....	3.24	.....
	6.00	6.00	12.00	Bn, G	1.50	.....	3.00	Bl, Bn, G	4.50	.....	3.10	.....
4599	4.91	5.24	10.15	.....	0.70	0.95	2.63	.....	4.28	2.89	2.89	.....
	3.00	7.00	10.00	Bn, G	1.50	.....	2.50	Bl, Bn, G	4.00	2.00	2.00	.....
4639	9.80	3.00	12.80	.....	1.78	.....	2.90	.....	4.68	2.74	2.74	0.65
	8.00	4.00	12.00	Super, Bn, T	.....	.....	.....	Bn	4.50	3.10	3.10	.....
4255	5.83	5.12	10.95	.....	2.32	.....	2.20	.....	4.52	.....	2.44	.....
4323	5.66	5.54	11.20	.....	2.14	.....	2.05	.....	4.19	1.96	1.96	.....
4849	7.76	2.89	10.65	.....	1.57	.....	2.54	.....	4.11	2.40	2.40	0.75
	8.00	2.00	10.00	Super, Bn	1.50	.....	2.62	Bl, Bn, G	4.12	2.00	2.00	.....

*4423—No statement of source of materials as required by Fertilizer Act.

*4346—No statement of source of materials as required by Fertilizer Act.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND
NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station Prices

General Fertilizer Association

—Continued.

4506*	G. F. A. Special No. 8.....	C. A. Merritt, Glendora	22.83
	<i>Guaranteed.....</i>		24.42
4869	Lindsay No. 3.....	Cent. Cal. Realty Co., Lindsay	33.32
	<i>Guaranteed.....</i>		30.80
4876	Lindsay Shamrock No. 2.....	Cent. Cal. Realty Co., Lindsay	24.89
	<i>Guaranteed.....</i>		26.11
4875	Lindsay Special No. 3.....	Cent. Cal. Realty Co., Lindsay	29.01
	<i>Guaranteed.....</i>		26.92
4868	Nitrate of Lime	Cent. Cal. Realty Co., Lindsay	38.01
	<i>Guaranteed.....</i>		40.04
4359	Nitrate of Soda	Redland's Fert. Assn., Redlands	48.32
	<i>Guaranteed.....</i>		46.20
4310	Orange and Lemon No. 1.....	Benchley Fruit Co., Fullerton	26.59
4427	Orange and Lemon No. 1.....	Etiwanda Citrus Ft. Assn., Etiwanda....	32.20
	<i>Guaranteed.....</i>		30.07
4378	Orange and Lemon No. 1.....	H. H. Garstin, Redlands	29.65
	<i>Guaranteed.....</i>		31.87
4404	Special	Orange Hts. Fruit Assn., Corona	38.50
	<i>Guaranteed.....</i>		40.13
4505	Special	C. A. Merritt, Glendora	35.29
	<i>Guaranteed.....</i>		36.23
4665	Special	D. B. Lee, Ontario	41.39
	<i>Guaranteed.....</i>		41.74
4854*	Special	Henry F. Schaeffer, Riverside	37.04
4856*	Special	Henry F. Schaeffer, Riverside	35.32
	<i>Guaranteed.....</i>		34.64
4867	Special	E. B. Chapin, Ontario	41.39
	<i>Guaranteed.....</i>		42.28
4893	Special	J. W. Williams, Ontario	34.87
	<i>Guaranteed.....</i>		34.29
4311	Special No. 8	Benchley Fruit Co., Fullerton	22.88
	<i>Guaranteed.....</i>		23.20
4486*	Special Orange and Lemon No. 1....	D. P. Stone, Redlands	32.11
4487*	Special Orange and Lemon No. 1....	J. E. Schermerhorn, Colton	31.83
	<i>Guaranteed.....</i>		31.87
4256	Superphosphate	Cucamonga C. F. G. Assn., Cucamonga..	17.44
	<i>Guaranteed.....</i>		16.12
4718*	Tankage	H. L. Wass, Ontario	30.29
	<i>Guaranteed.....</i>		31.88
4788*	Tankage	W. H. Lindley, Ontario	32.55
	<i>Guaranteed.....</i>		34.66

*4506—No statement of source of materials as required by Fertilizer Act.
*4854—77% fine.

*4856—76% fine.
*4486—Statement of source of materials incomplete.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4506	5.15	4.10	9.25	.....	1.55	.....	1.38	.....	2.93	3.33	3.33	0.85
.....	7.00	2.00	9.00	.....	.....	.....	.....	.....	3.00	3.00	3.00	.....
4869	7.56	8.44	16.00	.....	.....	.....	1.69	.....	1.69	10.22	10.22	.....
.....	8.00	4.00	12.00	<i>Bn, G</i>	.....	.....	2.00	<i>Bl, Bn, G</i>	2.00	10.00	10.00	.....
4876	3.94	8.26	12.20	.....	.....	.....	2.01	.....	2.01	.....	4.62	1.70
.....	8.00	4.00	12.00	<i>Bn, G</i>	.....	.....	2.50	<i>Bl, G</i>	2.50	.....	4.00	.....
4875	6.95	6.65	13.60	.....	.....	.....	1.58	.....	1.58	.....	8.75	0.63
.....	10.00	5.00	15.00	<i>Super, Bn, G</i>	.....	.....	1.00	<i>Bl, Bn, G</i>	1.00	.....	8.00	.....
4868	.....	.....	.....	.....	12.34	.....	.....	.....	12.34	.....	.....	.....
.....	.....	.....	.....	.....	13.00	.....	.....	.....	13.00	.....	.....	.....
4359	.....	.....	.....	.....	15.69	.....	.....	.....	15.69	.....	.....	.....
.....	.....	.....	.....	.....	15.00	.....	.....	.....	15.00	.....	.....	.....
4310	6.30	2.70	9.00	.....	1.86	.....	1.37	.....	3.23	.....	6.03	0.70
4427	5.85	5.20	11.05	.....	1.73	.....	2.50	.....	4.23	5.42	5.42	0.80
.....	6.00	4.00	10.00	<i>Super, Bn, G, T</i>	1.50	.....	2.50	<i>Bl, Bn, G, T</i>	4.00	.....	5.00	.....
4378	4.58	5.92	10.50	.....	2.34	.....	1.78	.....	4.12	4.68	4.68	.....
.....	6.00	6.00	12.00	<i>Super, Bn, G, T</i>	1.50	.....	2.50	<i>Bl, Bn, G, T</i>	4.00	5.00	5.00	.....
4404	.....	.....	23.60	.....	.....	.....	2.86	.....	2.86	4.35	4.35	0.60
.....	.....	.....	24.00	<i>Bn</i>	.....	.....	3.25	<i>Bl, Bn</i>	3.25	4.00	4.00	.....
4505	4.55	4.80	9.35	.....	.....	.....	6.25	.....	6.25	.....	.....	.....
.....	6.00	2.00	8.00	<i>Bn, G</i>	.....	.....	6.75	<i>Bl, Bn, G</i>	6.75	.....	.....	.....
4665	.....	.....	13.90	.....	.....	.....	5.52	.....	5.52	.....	4.51	1.90
.....	.....	.....	13.65	<i>Bn, T</i>	.....	.....	5.79	<i>Bl, Bn</i>	5.79	4.00	4.00	.....
4854	.....	.....	18.30	.....	.....	.....	5.55	.....	5.55	.....	.....	.....
4856	.....	.....	18.60	.....	.....	.....	5.10	.....	5.10	.....	.....	.....
.....	.....	.....	18.25	<i>Bn, G</i>	.....	.....	5.00	<i>Bl, Bn, G</i>	5.00	.....	.....	.....
4867	.....	.....	10.90	.....	1.60	0.20	5.44	.....	7.24	2.21	2.21	0.92
.....	.....	.....	11.00	<i>Bn, G</i>	.....	.....	.....	<i>Bl, Bn, G</i>	7.00	2.00	2.00	.....
4893	.....	.....	12.90	.....	.....	.....	5.79	.....	5.79	4.76	4.76	.....
.....	.....	.....	12.50	<i>Bn, G</i>	.....	.....	6.00	<i>Bl, Bn, G</i>	6.00	4.00	4.00	.....
4311	.....	.....	9.80	.....	1.78	0.15	1.07	.....	3.00	.....	3.01	.....
.....	.....	.....	9.00	<i>Bn, G</i>	1.00	.....	2.00	<i>Bl, Bn, G</i>	3.00	.....	3.00	.....
4486	6.45	5.80	12.25	.....	1.35	0.45	2.20	.....	4.00	.....	5.10	0.60
4487	7.30	6.00	13.30	.....	1.18	0.50	2.10	.....	3.78	.....	4.70	0.60
.....	4.00	8.00	12.00	<i>Super, Bn, G</i>	1.50	.....	2.50	.....	4.00	.....	5.00	.....
4256	18.56	0.24	18.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	17.15	.....	.....	.....	.....	.....	.....	.....	.....	.....
4718	.....	.....	4.50	.....	.....	.....	6.29	.....	6.29	.....	.....	.....
.....	.....	.....	5.11	.....	.....	.....	6.56	.....	6.56	.....	.....	.....
4788	.....	.....	14.15	.....	.....	.....	5.20	.....	5.20	.....	.....	.....
.....	.....	.....	13.74	.....	.....	.....	5.76	.....	5.76	.....	.....	.....

*4487—Statement of source of materials incomplete.

*4718—44% fine.

*4788—77% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
	Hauser Packing Co., Los Angeles, Cal.		
4813* <i>Guaranteed.</i>	B. Mills, Covina	30.39
4525	Hauser's Fertilizer	Mrs. C. Vaughn, Covina	30.95
4848	Hauser's Fertilizer	Homer L. Hostetler, Covina	
	<i>Sold on Station Analysis.</i>		
4526*	Tankage	Frank Daybell, Azusa	41.84
	<i>Guaranteed.</i>		42.28
4550*	Tankage	Benchley Fruit Co., Fullerton	
4640*	Tankage	Tustin Lemon Assn., Tustin	
4670*	Tankage	Cucamonga C. F. G. Assn., Cucamonga	
4702*	Tankage	W. H. Robinson, Riverside	
4769*	Tankage	W. R. Eichoff, Azusa	
4773*	Tankage	J. H. Stewart, Redlands	
4774*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4775*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4784*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4785*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4786*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4789*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4790*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4792*	Tankage	E. E. Gard, Glendora	
4815*	Tankage	F. M. Ryon, Highgrove	
4820*	Tankage	Capt. W. W. Bacon, Duarte	
4851*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4852*	Tankage	Azusa Foothill Cit. Assn., Azusa	
4855*	Tankage	Whittier Citrus Assn., Whittier	
4889*	Tankage	Mrs. E. P. Hubbard, Azusa	
	<i>Sold on Station Analysis.</i>		
4721*	Tankage	R. O. Robinson, Azusa	37.71
4724*	Tankage	I. W. Haskell, Azusa	40.39
	<i>Guaranteed.</i>		41.23
4792*	Tankage	John Quick, Sr., Azusa	39.47
4770*	Tankage	Mrs. G. W. Ellington, Azusa	40.87
4857*	Tankage	E. K. Peirce, Azusa	39.66
4858*	Tankage	Azusa Foothill Cit. Assn., Azusa	41.56
	<i>Guaranteed.</i>		41.59
4723*	Tankage	S. M. Pancake, Azusa	33.78
4862*	Tankage	William Strickler, Covina	33.48
	<i>Guaranteed.</i>		34.44
4725*	Tankage	Azusa Foothill Cit. Assn., Azusa	40.19
4726*	Tankage	Azusa Foothill Cit. Assn., Azusa	43.42
	<i>Guaranteed.</i>		42.31

*4813—No brand name as required by

*4702—67% fine.

Fertilizer Act.

*4769—73% fine.

*4526—74% fine.

*4773—79% fine.

*4550—55% fine.

*4774—56% fine.

*4640—56% fine.

*4775—56% fine.

*4670—70% fine.

*4784—57% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID			NITROGEN				POTASH		CHLORIN	
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total
4813	9.95	.....	1.15	.....	3.57	.....	4.72	.....	2.23	1.20
.....	10.00	Bn, T	1.50	.....	3.50	Bl, Bn, T	5.00	.....	2.00	.....
4525	11.40	.....	.....	.....	5.55	.....	5.55	.....	2.29	1.20
4848	9.00	.....	.....	.....	7.42	.....	7.42	.....	3.29	1.30
4526	7.65	.....	.....	.....	8.45	.....	8.45	.....	.....	.....
.....	7.00	.....	.....	.....	8.66	.....	8.66	.....	.....	.....
4550	7.80	.....	.....	.....	8.46	.....	8.46	.....	.....	.....
4640	9.90	.....	.....	.....	7.62	.....	7.62	.....	.....	.....
4670	10.00	.....	.....	.....	4.52	.....	4.52	.....	.....	.....
4702	8.55	.....	.....	.....	7.32	.....	7.32	.....	.....	.....
4769	7.10	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
4773	9.92	.....	.....	.....	5.07	.....	5.07	.....	.....	.....
4774	8.30	.....	.....	.....	7.57	.....	7.57	.....	.....	.....
4775	8.20	.....	.....	.....	7.67	.....	7.67	.....	.....	.....
4784	8.15	.....	.....	.....	7.97	.....	7.97	.....	.....	.....
4785	7.75	.....	.....	.....	8.26	.....	8.26	.....	.....	.....
4786	7.65	.....	.....	.....	8.35	.....	8.35	.....	.....	.....
4789	8.30	.....	.....	.....	8.10	.....	8.10	.....	.....	.....
4790	8.45	.....	.....	.....	8.07	.....	8.07	.....	.....	.....
4792	8.25	.....	.....	.....	8.15	.....	8.15	.....	.....	.....
4815	14.70	.....	.....	.....	5.56	.....	5.56	.....	.....	.....
4820	10.65	.....	.....	.....	6.36	.....	6.36	.....	.....	.....
4851	8.40	.....	.....	.....	7.97	.....	7.97	.....	.....	.....
4852	7.80	.....	.....	.....	7.97	.....	7.97	.....	.....	.....
4855	7.20	.....	.....	.....	8.63	.....	8.63	.....	.....	.....
4889	8.00	.....	.....	.....	8.44	.....	8.44	.....	.....	.....
4721	8.00	.....	.....	.....	7.43	.....	7.43	.....	.....	.....
4724	7.90	.....	.....	.....	8.07	.....	8.07	.....	.....	.....
.....	6.50	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
4722	8.60	.....	.....	.....	7.74	.....	7.74	.....	.....	.....
4770	6.95	.....	.....	.....	8.34	.....	8.34	.....	.....	.....
4857	7.00	.....	.....	.....	8.05	.....	8.05	.....	.....	.....
4858	7.20	.....	.....	.....	8.46	.....	8.46	.....	.....	.....
.....	7.00	.....	.....	.....	8.50	.....	8.50	.....	.....	.....
4723	10.30	.....	.....	.....	6.13	.....	6.13	.....	.....	.....
4862	11.20	.....	.....	.....	5.91	.....	5.91	.....	.....	.....
.....	12.00	.....	.....	.....	6.00	.....	6.00	.....	.....	.....
4725	7.15	.....	.....	.....	8.15	.....	8.15	.....	.....	.....
4726	7.75	.....	.....	.....	8.80	.....	8.80	.....	.....	.....
.....	8.00	.....	.....	.....	8.50	.....	8.50	.....	.....	.....

*4785—59% fine. *4820—84% fine. *4852—63% fine. *4862—78% fine.
 *4786—66% fine. *4770—74% fine. *4724—57% fine. *4725—59% fine.
 *4789—60% fine. *4851—65% fine. *4722—53% fine. *4726—54% fine.
 *4790—66% fine. *4855—46% fine. *4857—60% fine.
 *4792—55% fine. *4889—58% fine. *4858—60% fine.
 *4815—81% fine. *4721—62% fine. *4723—81% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Hawaiian Fertilizer Co., San Francisco, Cal.			
4837	Fruit and Vine A..... <i>Guaranteed.</i>	J. R. Garrett Co., Marysville	34.90 31.26
4838	Grain A <i>Guaranteed.</i>	J. R. Garrett Co., Marysville	28.45 27.16
4839	Lawn <i>Guaranteed.</i>	J. R. Garrett Co., Marysville	19.87 22.38
4762	Nitrate of Lime .. <i>Guaranteed.</i>	W. C. Fertig, Lindsay	39.70 40.04
4462	Nitrate of Soda .. <i>Guaranteed.</i>	Union Commission Co., Santa Barbara..	46.79 46.20
4685	Special .. <i>Guaranteed.</i>	Bryant Bros., Lindsay	28.09 27.23
4686	Special .. <i>Guaranteed.</i>	R. H. Shoemaker, Lindsay	26.92 26.68
4730	Special .. <i>Guaranteed.</i>	I. E. Thayer, Lincoln	35.16 33.92
4701	Superphosphate .. <i>Guaranteed.</i>	Arthur J. Hutchinson, Palo Alto	16.58 15.04
4845	Vegetable .. <i>Guaranteed.</i>	J. R. Garrett Co., Marysville	31.29 30.82
Los Angeles Fertilizer Co., Los Angeles, Cal.			
4401	Animal Bone and Potash.....	E. F. Wilson, Upland	35.63
4541	Animal Bone and Potash..... <i>Guaranteed.</i>	J. D. McClenney, Pomona	36.22 32.78
4371*	Bone Meal	Sierra Madre-Lam. C. A., Lamanda Park	34.38
4579*	Bone Meal .. <i>Guaranteed.</i>	E. F. Wilson, Upland	35.11 31.45
4580	Fall Special .. <i>Guaranteed.</i>	E. F. Wilson, Upland	33.31 30.35
4372	Fruit Grower	Sierra Madre-Lam. C. A., Lamanda Park	23.81
4540	Fruit Grower .. <i>Guaranteed.</i>	J. D. McClenney, Pomona	25.55 22.23
4392	Fruitmore	E. F. Wilson, Upland	29.93
4578	Fruitmore .. <i>Guaranteed.</i>	E. F. Wilson, Upland	32.19 28.47

*4371—50% fine

*4579—53% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN	
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	Total	
4837	8.93	0.52	9.45	-----	1.13	2.02	0.93	-----	4.08	10.07	10.07	10.07	-----
.....	7.50	1.50	9.00	Super, Bn, T	1.00	1.50	1.00	Bl, Bn,	3.50	9.00	9.00	9.00	-----
4838	9.67	0.48	10.15	-----	0.90	1.95	1.15	-----	4.00	3.88	3.88	3.88	-----
.....	7.00	3.00	10.00	Super, Bn, T	1.00	2.00	1.00	Bl, Bn, G, T	4.00	3.00	3.00	3.00	-----
4839	4.82	1.88	6.70	-----	3.72	-----	-----	-----	3.72	-----	2.43	7.50	-----
.....	8.00	1.00	9.00	Super, Bn, T	4.00	-----	-----	-----	4.00	2.00	2.00	2.00	-----
4762	-----	-----	-----	-----	12.89	-----	-----	-----	12.89	-----	-----	-----	-----
.....	-----	-----	-----	-----	13.00	-----	-----	-----	13.00	-----	-----	-----	-----
4462	-----	-----	-----	-----	15.19	-----	-----	-----	15.19	-----	-----	-----	-----
.....	-----	-----	-----	-----	15.00	-----	-----	-----	15.00	-----	-----	-----	-----
4685	-----	-----	13.50	-----	-----	-----	0.82	-----	0.82	10.89	10.89	10.89	-----
.....	-----	-----	14.00	Super, Bn, T	-----	-----	0.75	Bn, T	0.75	10.00	10.00	10.00	-----
4686	-----	-----	9.60	-----	1.07	2.20	0.99	-----	4.26	-----	2.31	1.30	-----
.....	-----	-----	8.00	Super, Bn, T	-----	-----	-----	Bn, G, T	4.00	2.00	2.00	2.00	-----
4730	5.72	0.38	6.10	-----	1.86	2.06	1.12	-----	5.04	10.23	10.23	0.85	-----
.....	5.00	-----	-----	Super	2.00	2.00	1.00	Bn, G, T	5.00	10.00	10.00	10.00	-----
4701	17.64	0.36	18.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.....	16.00	1.00	17.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
4845	8.85	1.30	10.15	-----	1.01	1.95	0.96	-----	3.92	6.79	6.79	6.79	-----
.....	7.00	2.00	9.00	Super, Bn, T	1.00	2.00	1.00	Bl, Bn, G, T	4.00	7.00	7.00	7.00	-----
4401	-----	-----	19.50	-----	-----	-----	2.40	-----	2.40	6.81	6.81	6.81	-----
4541	-----	-----	16.00	-----	-----	-----	3.16	-----	3.16	7.22	7.22	0.80	-----
.....	-----	-----	18.00	Bn	-----	-----	2.00	Bn	2.00	7.00	7.00	7.00	-----
4371	-----	-----	22.20	-----	-----	-----	3.35	-----	3.35	-----	-----	-----	-----
4579	-----	-----	21.00	-----	-----	-----	3.77	-----	3.77	-----	-----	-----	-----
.....	-----	-----	23.00	-----	-----	-----	2.50	-----	2.50	-----	-----	-----	-----
4580	9.68	2.62	12.30	-----	-----	-----	2.46	-----	2.46	10.23	10.23	-----	-----
.....	9.00	2.50	11.50	Super, Bn, T	-----	-----	2.00	Bl, T	2.00	10.00	10.00	10.00	-----
4372	6.94	1.86	8.80	-----	0.89	0.60	1.66	-----	3.15	3.34	3.34	3.34	-----
4540	7.58	1.72	9.30	-----	1.18	0.62	1.56	-----	3.36	4.00	4.00	4.00	-----
.....	6.00	2.00	8.00	Super, Bn, T	0.75	0.60	1.65	Bl, Bn, T	3.00	3.00	3.00	3.00	-----
4392	9.00	3.40	12.40	-----	0.93	-----	1.60	-----	2.53	7.92	7.92	0.65	-----
4578	8.02	3.78	11.80	-----	0.39	-----	2.68	-----	3.07	7.76	7.76	0.60	-----
.....	9.00	2.50	11.50	Super, Bn, T	0.50	-----	2.00	Bl, Bn, T	2.50	7.00	7.00	7.00	-----

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Los Angeles Fertilizer Co.			
<i>—Continued.</i>			
4403	Justright	E. F. Wilson, Upland	31.06
	<i>Guaranteed.</i>		27.18
4370	Orangeaid	Sierra Madre-Lam. C. A., Lamanda Park	28.07
4397	Orangeaid	E. F. Wilson, Upland	30.15
	<i>Guaranteed.</i>		31.20
4398	Special	E. F. Wilson, Upland	31.77
	<i>Guaranteed.</i>		30.35
4479*	Special	W. B. Reid, Rialto	34.19
	<i>Guaranteed.</i>		34.01
4543	Special	J. D. McClenney, Pomona	45.31
	<i>Guaranteed.</i>		44.44
4373	Special Fruit Grower	Sierra Madre-Lam. C. A., Lamanda Park	30.16
4391	Special Fruit Grower	E. F. Wilson, Upland	27.91
	<i>Guaranteed.</i>		29.08
4399	Spring Special	E. F. Wilson, Upland	31.08
	<i>Guaranteed.</i>		30.34
4402*	Tankage	E. F. Wilson, Upland	38.04
	<i>Guaranteed.</i>		36.35
4539*	Tankage	J. D. McClenney, Pomona	29.10
	<i>Guaranteed.</i>		28.70
4542*	Tankage	J. D. McClenney, Pomona	40.52
	<i>Guaranteed.</i>		38.38
4556*	Tankage	Stewart Citrus Assn., Upland	46.86
4557*	Tankage	Stewart Citrus Assn., Upland	46.46
4582*	Tankage	Stewart Citrus Assn., Upland	44.93
	<i>Guaranteed.</i>		46.44
4581*	Tankage	E. F. Wilson, Upland	32.52
	<i>Guaranteed.</i>		32.90
4400	T and P	E. F. Wilson, Upland	34.37
	<i>Guaranteed.</i>		34.70
Morris & Company, Chicago, Ill.			
4421	Pacific Big One	San Diego Fruit Co., Chula Vista	32.97
	<i>Guaranteed.</i>		33.29
4429	Pacific Big Three	S. L. Herrick, Riverside	35.10
4444	Pacific Big Three	C. C. Stanley, Pomona	33.89

*4479—Some hoof. No statement of source of materials as required by Fertilizer Act.

*4402—70% fine.

*4539—63% fine. Some hoof.

*4542—68% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED										POTASH			CHLORIN
	PHOSPHORIC ACID				NITROGEN				From Sulfate			Total		
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from						
4403	6.88	3.12	10.00	.....	0.90	.....	1.15	.....	2.05	12.58	12.58	0.6	.....
.....	7.00	2.00	9.00	Super, Bn	0.50	0.50	1.00	Bl, Bn	2.00	10.00	10.00	.....	.....
4370	8.83	2.22	11.05	.....	1.43	1.17	0.90	.....	3.50	4.88	4.88	.....	.....
4397	8.45	1.60	10.05	.....	1.98	0.40	1.47	.....	3.85	6.33	6.33	0.7	.....
.....	8.00	2.00	10.00	Super, Bn, G, T	1.00	1.00	2.00	Bl, Bn, G, T	4.00	6.00	6.00	.....	.....
4398	9.30	2.20	11.50	.....	.....	.....	2.20	.....	2.20	.....	10.49	0.7	.....
.....	9.00	2.50	11.50	Super, Bn, G	.....	.....	2.00	Bn, G, T	2.00	.....	10.00	.....	.....
4479	.....	.....	18.80	.....	.....	.....	1.07	.....	1.07	11.12	11.12	.....	.....
.....	.....	.....	19.00	.....	.....	.....	0.75	.....	0.75	12.00	12.00	.....	.....
4543	.....	.....	9.10	.....	0.11	.....	0.94	.....	1.05	.....	28.72	1.3	.....
.....	.....	.....	10.85	Super, Bn, G	.....	.....	.....	Bn, G, T	1.10	.....	26.27	.....	.....
4373	9.34	3.16	12.50	.....	1.43	1.00	1.37	.....	3.80	4.34	4.34	.....	.....
4391	8.01	1.94	9.95	.....	1.53	0.50	1.75	.....	3.78	4.28	4.28	.....	.....
.....	8.00	2.00	10.00	Super, Bn, T	1.00	0.75	2.25	Bl, Bn, T	4.00	4.00	4.00	.....	.....
4399	8.20	2.20	10.40	.....	2.43	0.92	1.85	.....	5.20	2.54	2.54	0.7	.....
.....	8.00	2.00	10.00	Super, Bn, T	2.00	.....	3.00	Bl, Bn, T	5.00	2.00	2.00	.....	.....
4402	.....	.....	17.00	.....	.....	.....	6.00	.....	6.00	.....	.....	.....	.....
.....	.....	.....	16.62	.....	.....	.....	5.67	.....	5.67	.....	.....	.....	.....
4539	.....	.....	10.55	.....	.....	.....	5.00	.....	5.00	.....	.....	.....	.....
.....	.....	.....	10.00	.....	.....	.....	5.00	.....	5.00	.....	.....	.....	.....
4542	.....	.....	11.25	.....	.....	.....	7.54	.....	7.54	.....	.....	.....	.....
.....	.....	.....	11.50	.....	.....	.....	7.00	.....	7.00	.....	.....	.....	.....
4556	.....	.....	6.55	.....	.....	.....	9.80	.....	9.80	.....	.....	.....	.....
4557	.....	.....	6.50	.....	.....	.....	9.70	.....	9.70	.....	.....	.....	.....
4582	.....	.....	8.00	.....	.....	.....	9.11	.....	9.11	.....	.....	.....	.....
.....	.....	.....	5.50	.....	.....	.....	9.88	.....	9.88	.....	.....	.....	.....
4581	.....	.....	11.60	.....	.....	.....	5.62	.....	5.62	.....	.....	.....	.....
.....	.....	.....	11.42	.....	.....	.....	5.74	.....	5.74	.....	.....	.....	.....
4400	.....	.....	11.70	.....	.....	.....	4.87	.....	4.87	.....	4.39	1.0	.....
.....	.....	.....	12.00	Bn	.....	.....	5.00	Bl, Bn	5.00	4.00	4.00	.....	.....

*4556—86% fine.

*4557—82% fine.

*4582—81% fine.

*4581—75% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANU-

FACTURER OR DEALER, AND
NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station Prices**Morris & Co.**
—Continued.

4446	Pacific Big Three	Piru Oil & Land Co., Piru	32.12
	<i>Guaranteed.....</i>		34.91
4552*	Pacific Big Four	Azusa Citrus Assn., Azusa	46.97
4553*	Pacific Big Four	Azusa Citrus Assn., Azusa	47.55
4554*	Pacific Big Four	Azusa Citrus Assn., Azusa	47.36
4558*	Pacific Big Four	Stewart Citrus Assn., Upland	46.72
4559*	Pacific Big Four	Stewart Citrus Assn., Upland	46.10
4560*	Pacific Big Four	Stewart Citrus Assn., Upland	47.02
	<i>Guaranteed.....</i>		46.44
4499*	Pacific Big Six	Geo. D. Whitcomb, Glendora	27.56
	<i>Guaranteed.....</i>		28.73
4678	Pacific Big Ten	Fillmore Citrus Assn., Fillmore	38.37
	<i>Guaranteed.....</i>		36.40

Mountain Copper Co.,
San Francisco, Cal.

4807	0-5-0	The Grange Co., Modesto	4.60
	<i>Guaranteed.....</i>		4.70
4351	0-14-9	C. C. Chapman, Fullerton	22.17
4364	0-14-9	Charter Oak Cit. Assn., Charter Oak	22.29
	<i>Guaranteed.....</i>		23.31
4441*	2 1/2-10-8	Santiago O. G. Assn., Orange	28.38
	<i>Guaranteed.....</i>		27.45
4710	2 1/2-10-8	S. B. Onyett, Palermo	27.46
	<i>Guaranteed.....</i>		27.23
4843	3-10-2	Valley Seed Co., Sacramento	23.30
	<i>Guaranteed.....</i>		22.14
4355	4-10-4	Anaheim Fruit Assn., Anaheim	28.22
4596	4-10-4	Sparr Fruit Co., Glendale	28.35
	<i>Guaranteed.....</i>		27.90
4682	4-10-4	Drake Citrus Assn., Lindsay	27.37
	<i>Guaranteed.....</i>		27.73
4442	5-10-4	Santiago O. G. Assn., Orange	35.19
	<i>Guaranteed.....</i>		33.81
4825	Special	H. B. Allen, Charter Oak	35.98
	<i>Guaranteed.....</i>		35.25
4461	Special	Johnston Fruit Co., Santa Barbara	25.57
4673	Special	J. E. Pogue, Lemon Cove	25.77
4763	Special	Drake Citrus Assn., Lindsay	25.74
	<i>Guaranteed.....</i>		25.01

*4552—82% fine.

*4558—87% fine.

*4553—85% fine.

*4559—86% fine.

*4554—87% fine.

*4560—87% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4446	.....	25.20	.....	.....	.....	0.87	.....	0.87	5.00	5.00	5.00	.....
.....	.....	25.00	Bn	.....	.....	1.03	Bn, Bl	1.03	7.00	7.00	7.00	.....
4552	.....	5.75	.....	.....	.....	9.96	.....	9.96	.....	.....	.....	.....
4553	.....	6.02	.....	.....	.....	10.05	.....	10.05	.....	.....	.....	.....
4554	.....	6.30	.....	.....	.....	9.96	.....	9.96	.....	.....	.....	.....
4558	.....	5.77	.....	.....	.....	9.90	.....	9.90	.....	.....	.....	.....
4559	.....	6.45	.....	.....	.....	9.64	.....	9.64	.....	.....	.....	.....
4560	.....	6.60	.....	.....	.....	9.83	.....	9.83	.....	.....	.....	.....
.....	.....	5.50	Bn, T	.....	.....	9.88	Bn, T	9.88	.....	.....	.....	.....
4499	.....	25.90	.....	.....	.....	0.99	.....	0.99	.....	.....	.....	.....
.....	.....	28.00	Bn	.....	.....	0.82	Bn	0.82	.....	.....	.....	.....
4678	.....	17.00	.....	.....	.....	4.27	.....	4.27	4.13	4.13	4.13	.....
.....	.....	15.00	Bn	.....	.....	4.00	Bl	4.00	5.00	5.00	5.00	.....
4807	4.89	0.46	5.35	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	5.00	0.20	5.20	Super	.....	.....	.....	.....	.....	.....	.....	.....
4351	14.02	0.58	14.60	.....	.....	.....	.....	.....	7.92	7.92	0.60	.....
4364	14.68	0.52	15.20	.....	.....	.....	.....	.....	7.55	7.55	0.60	.....
.....	14.00	0.50	14.50	Super, Bn	.....	.....	.....	.....	9.00	9.00	9.00	.....
4441	10.07	0.48	10.55	.....	1.69	.....	0.96	.....	2.65	8.21	8.21	.....
.....	10.00	0.50	10.50	Super	1.67	.....	0.83	Bl	2.50	8.00	8.00	.....
4710	9.85	0.80	10.65	.....	1.69	.....	0.80	.....	2.49	8.38	8.38	0.87
.....	10.00	0.25	10.25	Super	1.67	.....	0.83	Bl	2.50	8.00	8.00	.....
4843	10.13	0.62	10.75	.....	2.14	.....	1.07	.....	3.21	2.27	2.27	0.85
.....	10.00	0.25	10.25	Super	2.00	.....	1.00	Bl	3.00	2.00	2.00	.....
4355	9.66	0.64	10.30	.....	2.86	.....	1.20	.....	4.06	.....	4.54	1.10
4596	10.05	0.50	10.55	.....	2.77	.....	1.28	.....	4.05	.....	4.27	1.05
.....	10.00	0.50	10.50	Super	2.67	.....	1.33	Bl	4.00	4.00	4.00	.....
4682	9.79	0.46	10.25	.....	2.68	.....	1.22	.....	3.90	.....	4.08	1.05
.....	10.00	0.25	10.25	Super	2.67	.....	1.33	Bl	4.00	4.00	4.00	.....
4442	10.48	1.22	11.70	.....	2.50	.....	2.85	.....	5.35	4.13	4.13	0.80
.....	10.00	2.00	12.00	Super, Bn	2.50	.....	2.50	Bl, Bn	5.00	4.00	4.00	.....
4325	14.40	3.40	17.80	.....	.....	1.46	.....	1.46	12.00	12.00	12.00	0.80
.....	13.00	5.00	18.00	Super, Bn	.....	1.25	Bn	1.25	12.00	12.00	12.00	.....
4461	8.83	1.32	10.15	.....	2.45	0.70	0.95	.....	4.10	1.95	1.95	.....
4673	9.30	1.40	10.70	.....	2.25	0.74	1.05	.....	4.04	1.73	1.73	0.60
4763	9.08	1.42	10.50	.....	2.27	0.70	1.11	.....	4.08	1.71	1.71	0.65
.....	9.00	1.00	10.00	Super, Bn	2.35	0.75	1.00	Bat G, Bl, Bn, T	4.10	1.50	1.50	.....

*4449—56% fine. Sample from five sacks.

*4441—Copper present in water soluble form.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
	Mountain Copper Co. —Continued.		
4377	Sulfate of Potash Redlands Fruit Assn., Redlands <i>Guaranteed.....</i>	Redlands Fruit Assn., Redlands	56.54 55.67
4356	Superphosphate Redlands Fruit Assn., Redlands <i>Guaranteed.....</i>	Redlands Fruit Assn., Redlands	17.39 17.20
4457	Superphosphate N. W. Blanchard, Santa Paula	N. W. Blanchard, Santa Paula	17.47
4597	Superphosphate Sparr Fruit Co., Glendale <i>Guaranteed.....</i>	Sparr Fruit Co., Glendale	17.75 16.54
4823	Superphosphate The Grange Co., Modesto <i>Guaranteed.....</i>	The Grange Co., Modesto	16.69 16.78
	Nitrate Agencies Co., Los Angeles, Cal.		
4393	Nitrate of Soda Sparr Fruit Co., Corona	Sparr Fruit Co., Corona	48.23
4412	Nitrate of Soda H. P. Green, San Diego	H. P. Green, San Diego	48.33
4448	Nitrate of Soda Sparr Fruit Co., Fillmore	Sparr Fruit Co., Fillmore	47.12
4595	Nitrate of Soda Sparr Fruit Co., Glendale	Sparr Fruit Co., Glendale	46.94
4715	Nitrate of Soda Hammon Orchards, Palermo <i>Guaranteed.....</i>	Hammon Orchards, Palermo	47.28 46.20
	North American Mercantile Co., San Francisco, Cal.		
4598*	Domoto Germain Seed & Plant Co., Los Angeles.. <i>Guaranteed.....</i>	Germain Seed & Plant Co., Los Angeles..	24.75 26.70
	Pacific Bone, Coal & Fertilizing Co., San Francisco, Cal.		
4677	Aroorette Porterville Citrus Assn., Porterville	Porterville Citrus Assn., Porterville	31.79
4754	Arborette B. Prior, Lindsay	B. Prior, Lindsay	31.63 30.38
4870	Citrona No. 1 B. Prior, Lindsay	B. Prior, Lindsay	29.43
4882	Citrona No. 1 United Fruit Co., Newcastle .. <i>Guaranteed.....</i>	United Fruit Co., Newcastle	29.29 28.05
4675	Citrona No. 2 Bullard & Harrison, Porterville	Bullard & Harrison, Porterville	31.65
4676	Citrona No. 2 Porterville Citrus Assn., Porterville	Porterville Citrus Assn., Porterville	30.12
4753	Citrona No. 2 B. Prior, Lindsay .. <i>Guaranteed.....</i>	B. Prior, Lindsay	31.84 30.32
4879	Flora Newcastle Fruit Co., Newcastle .. <i>Guaranteed.....</i>	Newcastle Fruit Co., Newcastle	29.73 28.16
4720	Lupine J. R. Carnegie, Lindsay	J. R. Carnegie, Lindsay	21.14
4880	Lupine Newcastle Fruit Co., Newcastle .. <i>Guaranteed.....</i>	Newcastle Fruit Co., Newcastle	20.15 19.86

*4598—No statement of source of materials as required by Fertilizer Act.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	POUNDS PER HUNDRED										POTASH			CHLORIN	
	PHOSPHORIC ACID			NITROGEN				Total							
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total				
4377	.....	.....	.....	.....	.....	.....	.....	.....	.....	49.60	49.60	2.26			
4356	18.00	0.50	18.50	.....	.....	.....	.....	.....	.....	48.83	48.83	.....		
	17.70	0.60	18.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
4457	18.58	0.32	18.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
4597	18.88	0.32	19.20	.....	.....	.....	.....	.....	.....	.....	.....	.....
	17.60	0.53	18.13	.....	.....	.....	.....	.....	.....	.....	.....	.....
4823	17.76	0.24	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
	17.85	0.60	18.45	.....	.....	.....	.....	.....	.....	.....	.....	.....
4393	.....	.....	.....	.....	15.66	.....	.....	.....	15.66	.....	.....	.....
4412	.....	.....	.....	.....	15.69	.....	.....	.....	15.69	.....	.....	.....
4448	.....	.....	.....	.....	15.30	.....	.....	.....	15.30	.....	.....	.....
4595	.....	.....	.....	.....	15.24	.....	.....	.....	15.24	.....	.....	.....
4715	.....	.....	.....	.....	15.35	.....	.....	.....	15.35	.....	.....	.....
	.....	.....	.....	.....	15.00	.....	.....	.....	15.00	.....	.....	.....
4598	.....	2.50	.....	.....	.....	.....	.....	.....	4.85	1.44	1.44	.....		
	.....	2.58	.....	.....	.....	.....	.....	.....	5.28	1.47	1.47	.....		
4677	8.26	2.14	10.40	.....	2.24	0.12	2.28	.....	4.64	.....	4.64	1.40			
4754	8.21	2.14	10.35	.....	2.45	.....	2.20	.....	4.65	.....	4.66	1.87			
	7.00	3.00	10.00	Super, Bn	2.43	.....	2.17	Bl, Bn, T	4.60	4.00	4.00	.....		
4870	6.35	3.80	10.15	.....	1.55	.....	1.52	.....	3.07	.....	7.88	1.15			
4882	7.16	3.44	10.60	.....	1.47	.....	1.57	.....	3.04	.....	7.43	1.30			
	7.00	3.00	10.00	Super, Bn	1.50	.....	1.50	Bl, Bn, T	3.00	7.00	7.00	.....		
4675	7.08	1.92	9.00	.....	2.53	.....	1.57	.....	4.10	.....	7.90	1.40			
4676	8.02	1.48	9.50	.....	2.46	.....	1.10	.....	3.56	.....	8.13	1.40			
4753	8.00	1.40	9.40	.....	2.70	.....	1.62	.....	4.32	.....	7.10	1.75			
	6.00	3.00	9.00	Super, Bn	2.43	.....	1.57	Bl, Bn, T	4.00	7.00	7.00	.....		
4879	5.05	4.10	9.15	.....	1.54	.....	2.00	.....	3.54	.....	7.15	1.07			
	6.00	3.00	9.00	Super, Bn	1.50	.....	2.00	Bl, Bn, T	3.50	6.00	6.00	.....		
4720	9.26	0.14	9.40	.....	.....	.....	.....	.....	.....	.....	10.91	1.15			
4880	9.26	0.24	9.50	.....	.....	.....	.....	.....	.....	.....	10.04	1.00			
	9.00	1.00	10.00	Super	.....	.....	.....	.....	.....	10.00	10.00	.....		

ANALYSES AND VALUATIONS

Laboratory Number

NAME AND ADDRESS OF MANU-

FACTURER OR DEALER, AND

NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station Prices**Pacific Bone, Coal & Fertilizing Co.—Continued.**

4801	Merino	Fancher Creek Nurseries, Fresno	20.91
	<i>Guaranteed.</i>		21.48
4871*	Nitrolim	B. Prior, Lindsay	67.68
	<i>Guaranteed.</i>		69.48
4878	Nitrate of Soda	Penryn Fruit Co., Penryn	46.82
	<i>Guaranteed.</i>		46.20
4510	Special	W. E. Sprott, Porterville	29.58
	<i>Guaranteed.</i>		28.10
4671	Special	Kaweah Lemon Co., Lemon Cove	33.34
	<i>Guaranteed.</i>		33.69
4681	Special	H. W. Latimer, Porterville	36.21
	<i>Guaranteed.</i>		35.32
4877	Special No. 387	Penryn Fruit Co., Penryn	29.42
	<i>Guaranteed.</i>		26.85
4684	Special No. 476	O. P. Guterson, Lindsay	32.69
	<i>Guaranteed.</i>		31.85
4719	Special No. 499	McKee Alpoon, Lindsay	35.01
	<i>Guaranteed.</i>		33.73
4708	Sulfate of Potash	R. D. Williams, Exeter	55.68
	<i>Guaranteed.</i>		54.72
4691	Superphosphate	R. D. Williams, Exeter	16.35
4881	Superphosphate	Newcastle Fruit Co., Newcastle	16.26
	<i>Guaranteed.</i>		15.98

Pacific Coast Beef & Provision Co., Los Angeles, Cal.

4555*	Tankage	Stewart Citrus Assn., Upland	38.23
	<i>Guaranteed.</i>		35.87

Pacific Guano & Fertilizer Co., San Francisco, Cal.

4563	Blood	B. L. Byer, Upland	58.28
	<i>Guaranteed.</i>		57.15
4368*	Blood and Bone	W. M. Warren, Covina	36.44
	<i>Guaranteed.</i>		35.40
4281*	Bone Flour	B. L. Byer, Upland	33.30
	<i>Guaranteed.</i>		30.00
4422*	Bone Flour	G. H. Wheeler, Rialto	33.38
	<i>Guaranteed.</i>		32.03

*4871—Nitrogen derived from calcium cyanamide.

*4555—78% fine.

*4368—53% fine.

*4281—100% fine.

*4422—99% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4801	4.61	1.14	5.75	.....	1.93	.....	1.02	.....	2.95	.....	4.74	1.25
.....	2.00	3.50	5.50	Super	1.70	.....	1.30	Bn, SM	3.00	5.00	5.00	.....
4871	.....	.....	.....	.....	.....	.....	.....	.....	18.80	.....	.....	.....
4878	.....	.....	.....	.....	19.30	.....	.....	.....	19.30	.....	.....	.....
.....	.....	.....	.....	.....	15.20	.....	.....	.....	15.20	.....	.....	.....
.....	.....	.....	.....	.....	15.00	.....	.....	.....	15.00	.....	.....	.....
4510	12.69	0.16	12.85	.....	.....	.....	.....	.....	.....	15.48	15.48	.....
.....	11.70	.....	.....	Super	.....	.....	.....	.....	.....	15.00	15.00	.....
4671	8.13	2.12	10.25	.....	.....	2.41	1.64	1.85	5.30	.....	4.31	1.40
.....	7.00	3.00	10.00	Super, Bn	2.43	0.90	2.17	Bl, Bn, T	5.50	4.00	4.00	.....
4681	.....	.....	9.95	.....	.....	.....	4.26	.....	4.26	.....	7.84	1.85
.....	.....	.....	10.00	Super, Bn	.....	.....	4.00	Bl, Bn, T	4.00	8.00	8.00	.....
4877	6.82	3.48	10.30	.....	.....	.....	2.03	.....	2.03	.....	10.02	1.07
.....	7.00	3.00	10.00	Super, Bn	.....	.....	1.50	Bl, Bn	1.50	10.00	10.00	.....
4684	8.06	2.34	10.40	.....	2.36	0.46	2.10	.....	4.92	.....	4.68	1.45
.....	7.00	3.00	10.00	Super, Bn	2.43	0.40	2.17	Bl, Bn, T	5.00	4.00	4.00	.....
4719	7.96	0.54	8.50	.....	.....	.....	2.85	.....	2.85	.....	13.32	2.05
.....	7.00	1.84	8.84	Super	.....	.....	3.00	T	3.00	12.50	12.50	.....
4708	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.84	48.84	2.44
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	48.00	.....
4691	17.39	1.16	18.55	.....	.....	.....	.....	.....	.....	.....	.....	.....
4881	17.30	0.20	17.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4555	.....	.....	8.37	.....	.....	.....	7.49	.....	7.49	.....	.....	.....
.....	.....	.....	11.00	.....	.....	.....	6.50	.....	6.50	.....	.....	.....
4563	.....	.....	.....	.....	.....	.....	12.95	.....	12.95	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	12.70	.....	12.70	.....	.....	.....
4368	.....	.....	25.20	.....	.....	.....	3.20	.....	3.20	.....	.....	.....
.....	.....	.....	25.00	Bn	.....	.....	3.00	Bl, Bn,	3.00	.....	.....	.....
4281	.....	.....	33.80	.....	.....	.....	0.67	.....	0.67	.....	.....	.....
.....	.....	.....	27.46	.....	.....	.....	1.23	.....	1.23	.....	.....	.....
4422	.....	.....	33.50	.....	.....	.....	0.75	.....	0.75	.....	.....	.....
.....	.....	.....	32.00	.....	.....	.....	0.75	.....	0.75	.....	.....	.....

ANALYSES AND VALUATIONS

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Pacific Guano & Fertilizer Co.			
<i>—Continued.</i>			
4473*	Bone Meal	B. S. Casey, Rialto	33.90
	<i>Guaranteed.....</i>		33.18
4561*	Bone Meal	B. L. Byer, Upland	37.88
	<i>Guaranteed.....</i>		36.57
4575*	Bone Meal	B. L. Byer, Upland	31.81
	<i>Guaranteed.....</i>		31.17
4278	Diamond F	B. L. Byer, Upland	27.59
4688	Diamond F	Chas. Jackson, Lindsay	28.71
4742	Diamond F	D. Ostendorf, Lindsay	29.38
4859	Diamond F	Pioneer Fruit Co., Loomis	29.00
	<i>Guaranteed.....</i>		27.57
4276	Diamond N	B. L. Byer, Upland	27.20
4743	Diamond N	D. Ostendorf, Lindsay	26.51
4830	Diamond N	Pioneer Fruit Co., Newcastle	26.31
	<i>Guaranteed.....</i>		26.36
4274	Diamond S	B. L. Byer, Upland	34.44
4369	Diamond S	W. M. Warren, Covina	35.64
4803	Diamond S	B. B. Meek, Oroville	34.34
	<i>Guaranteed.....</i>		33.74
4841*	Diamond T	Fair Oaks Fruit Co., Fair Oaks	28.54
4847*	Diamond T	Pioneer Fruit Co., Loomis	27.88
	<i>Guaranteed.....</i>		27.50
4275	Diamond P N K	B. L. Byer, Upland	24.88
4475	Diamond P N K	B. S. Casey, Rialto	25.08
4562	Diamond P N K	B. L. Byer, Upland	25.48
4832	Diamond P N K	G. P. McNear, Petaluma	25.17
	<i>Guaranteed.....</i>		23.48
4687	Diamond PP	Callins & Son, Lindsay	21.79
	<i>Guaranteed.....</i>		21.54
4831	Lawn Dressing	G. P. McNear, Petaluma	29.80
	<i>Guaranteed.....</i>		27.94
4740	Nitrate of Lime	D. Ostendorf, Lindsay	39.43
	<i>Guaranteed.....</i>		40.04
4279	Nitrate of Soda	B. L. Byer, Upland	48.97
4478	Nitrate of Soda	B. S. Casey, Rialto	48.33
	<i>Guaranteed.....</i>		46.20

*4473—61% fine.

*4561—46% fine.

*4575—50% fine.

*4841—Potash guaranteed, 1% muriate,
4% from sulfate.*4847—Potash guaranteed, 1% muriate,
4% from sulfate.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH		
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	From Sulfate	Total	CHLORLN
4473	.....	28.40	.....	.....	.....	1.94	.....	1.94	.....	.....	.....
.....	.....	27.50	.....	.....	.....	1.96	.....	1.96	.....	.....	.....
4561	.....	22.60	.....	.....	.....	4.08	.....	4.08	.....	.....	.....
.....	.....	22.00	.....	.....	.....	3.90	.....	3.90	.....	.....	.....
4575	.....	23.40	.....	.....	.....	2.50	.....	2.50	.....	.....	.....
.....	.....	22.88	.....	.....	.....	2.46	.....	2.46	.....	.....	.....
4278	8.01	3.24	11.25	.....	0.87	0.12	1.76	.....	2.75	5.94	5.94 0.70
4688	7.39	3.36	10.75	.....	0.57	.....	2.00	.....	2.57	7.61	7.61
4742	8.20	2.60	10.80	.....	0.92	.....	2.01	.....	2.93	7.18	7.18 0.80
4859	7.08	3.22	10.30	.....	0.63	.....	2.31	.....	2.94	6.89	6.89 0.90
.....	8.00	2.50	10.50	Super, Bn, G	0.50	.....	2.00	Bl, Bn, Fs, G, T	2.50	7.00	7.00
4276	9.48	1.22	10.70	.....	1.49	.....	2.33	.....	3.82	.....	2.60 1.10
4743	7.50	1.40	8.90	.....	1.05	.....	2.84	.....	3.89	2.68	2.68 0.97
4830	7.49	1.66	9.15	.....	1.20	.....	2.66	.....	3.86	.....	2.58 1.10
.....	8.00	1.00	9.00	Super, Bn	1.00	.....	3.00	Bl, Bn, Fs G, T	4.00	2.00	2.00
4274	8.30	1.20	9.50	.....	2.10	0.20	3.75	.....	6.05	.....	2.25 1.10
4369	8.64	0.86	9.50	.....	2.50	.....	3.87	.....	6.37	2.41	2.41
4803	8.06	1.04	9.10	.....	1.93	.....	4.15	.....	6.08	2.07	2.07 0.85
.....	8.00	1.00	9.00	Super, Bn, G	2.00	.....	4.00	Bl, Bn, Fs, G, T	6.00	2.00	2.00
4841	6.71	1.24	7.95	.....	2.08	.....	1.98	.....	4.06	.....	5.67 2.75
4847	6.33	1.32	7.65	.....	2.25	.....	1.85	.....	4.10	.....	5.36 2.80
.....	7.00	1.00	8.00	Super, Bn	2.00	.....	2.00	Bl, Bn, Fs	4.00	4.00	5.00
4275	7.90	2.70	10.60	.....	.....	2.28	.....	2.28	.....	5.65	2.85
4475	8.38	2.22	10.60	.....	.....	2.05	.....	2.05	.....	6.86	3.50
4562	8.80	2.60	11.40	.....	.....	2.20	.....	2.20	.....	5.88	3.20
4832	7.69	3.16	10.85	.....	.....	2.19	.....	2.19	.....	6.11	1.75
.....	7.50	2.50	10.00	Super, Bn, G	.....	2.00	Bl, Bn, Fs, G, T	2.00	.....	6.00	.....
4687	13.02	0.18	13.20	.....	.....	.....	.....	.....	8.38	8.38	
.....	12.00	1.00	13.00	Super	.....	.....	.....	.....	9.00	9.00	
4831	9.66	0.14	9.80	.....	.....	4.00	.....	4.00	5.26	5.26	
.....	8.00	1.00	9.00	Super	.....	4.00	.....	4.00	5.00	5.00	
4740	.....	.....	.....	.....	12.80	.....	.....	12.80	.....	.....
.....	.....	.....	.....	.....	13.00	.....	.....	13.00	.....	.....
4279	.....	.....	.....	.....	15.90	.....	.....	15.90	.....	.....
4478	.....	.....	.....	.....	15.69	.....	.....	15.69	.....	.....
.....	.....	.....	.....	.....	15.00	.....	.....	15.00	.....	.....

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
	Pacific Guano & Fertilizer Co. <i>Continued.</i>		
4840	R. N. B. Special <i>Guaranteed.</i>	Fair Oaks Fruit Co., Fair Oaks	33.62 33.36
4802	Special N <i>Guaranteed.</i>	Kirkman Nurseries, Fresno	28.57 25.14
4806	Special Nitrate <i>Guaranteed.</i>	B. B. Meek, Oroville	47.51 46.25
4836	Special Nursery Stock <i>Guaranteed.</i>	B. B. Meek, Oroville	25.51 23.34
4804	Special Orange 4835 Special Orange <i>Guaranteed.</i>	B. B. Meek, Oroville	30.34 31.38 30.87
4805	Supergyp <i>Guaranteed.</i>	B. B. Meek, Oroville	5.77 5.17
4825	Superphosphate <i>Guaranteed.</i>	Stanislaus F. U., Modesto	16.69 15.98
4895	Superphosphate <i>Sold on Station Analysis.</i>	T. E. Yerxa, Highland	
4440	Superphosphate (Gaviota) 4577 Superphosphate (Gaviota) <i>Guaranteed.</i>	C. C. Chapman, Fullerton	20.21 21.34 19.51
4456	Superphosphate (Gaviota) 4467 Superphosphate (Gaviota) <i>Guaranteed.</i>	Smith & Miner, Santa Ana	20.77 20.89 19.27
4466	Superphosphate (Gaviota) <i>Guaranteed.</i>	Sparr Fruit Co., Corona	20.85 16.45
4280	Sulfate of Potash	B. L. Byer, Upland	56.73
4576	Sulfate of Potash <i>Guaranteed.</i>	B. L. Byer, Upland	55.06 56.13
4352	Sulfate of Potash <i>Guaranteed.</i>	C. C. Chapman, Fullerton	57.04 56.77
4367	Sulfate of Potash <i>Guaranteed.</i>	W. M. Warren, Covina	57.27 56.69
4419	Sulfate of Potash <i>Guaranteed.</i>	Chula Vista L. G. Assn., Chula Vista	56.50 56.35
4474	Sulfate of Potash <i>Guaranteed.</i>	B. S. Casey, Rialto	56.27 56.08
4277^	Tankage <i>Guaranteed.</i>	B. L. Byer, Upland	36.92 37.20
4366*	Tankage	W. M. Warren, Covina	38.89
4509*	Tankage <i>Guaranteed.</i>	C. C. Chapman, Fullerton	39.94 40.29

*4277—72% fine.

*4366—90% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4840	7.01	1.04	8.05	.....	1.82	.....	2.20	.....	4.02	9.92	9.92	0.75
.....	7.00	1.00	8.00	Super, Bn	2.00	.....	2.00	Bl, Bn, T	4.00	10.00	10.00	.....
4802	7.99	1.66	9.65	.....	2.37	.....	2.19	.....	4.56	.....	2.78	1.63
.....	8.00	1.00	9.00	Super, Bn	2.00	.....	2.00	Bl, Bn, Fs	4.00	2.00	2.00	.....
4806	.....	0.40	.....	15.02	.....	0.07	.....	15.09	.....	0.52	.....	.....
.....	.....	0.45	Bn	14.72	.....	0.07	Bn	14.79	.....	0.18	.....	.....
4836	7.54	3.16	10.70	.....	2.92	.....	1.16	.....	4.08	1.67	1.67	0.93
.....	8.00	.....	.....	Super, Bn	3.00	.....	1.00	Bl, Bn, T	4.00	2.00	2.00	.....
4804	6.59	3.46	10.05	.....	2.50	.....	2.40	.....	4.90	.....	2.87	1.05
4835	5.78	3.92	9.70	.....	2.72	.....	2.49	.....	5.21	3.13	3.13	0.60
.....	6.00	4.00	10.00	Super, Bn	2.50	.....	2.50	Bl, Bn, T	5.00	3.00	3.00	.....
4805	6.14	7.96	14.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	5.50	7.00	12.50	Min. Phos.	.....	.....	.....	.....	.....	.....	.....	.....
4825	17.76	0.24	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.00	1.00	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4895	22.00	0.70	22.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
4440	21.50	0.40	21.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
4577	22.70	0.30	23.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	20.75	0.25	21.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4456	22.10	0.30	22.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
4467	22.22	0.38	22.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	20.50	0.50	21.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4466	22.18	0.32	22.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.50	0.50	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4280	.....	.....	.....	.....	.....	.....	.....	.....	49.76	49.76	1.60	.....
4576	.....	.....	.....	.....	.....	.....	.....	.....	48.30	48.30	1.80	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	49.24	49.24	.....	.....
4352	.....	.....	.....	.....	.....	.....	.....	.....	50.04	50.04	1.64	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	49.80	49.80	.....	.....
4367	.....	.....	.....	.....	.....	.....	.....	.....	50.24	50.24	1.88	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	49.73	49.73	.....	.....
4419	.....	.....	.....	.....	.....	.....	.....	.....	49.56	49.56	2.10	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	49.43	49.43	.....	.....
4474	.....	.....	.....	.....	.....	.....	.....	.....	49.36	49.36	1.70	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	49.19	49.19	.....	.....
4277	.....	11.50	.....	.....	.....	6.66	.....	6.66	.....	.....	.....	.....
.....	.....	12.25	.....	.....	.....	6.60	.....	6.60	.....	.....	.....	.....
4366	.....	14.85	.....	.....	.....	6.56	.....	6.56	.....	.....	.....	.....
4509	.....	14.50	.....	.....	.....	6.86	.....	6.86	.....	.....	.....	.....
.....	.....	15.35	.....	.....	.....	6.80	.....	6.80	.....	.....	.....	.....

*4509—90% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANU-

FACTURER OR DEALER, AND

FROM WHOM OBTAINED

NAME OF BRAND

Value per Ton at
Station Prices**Pacific Guano & Fertilizer Co.***Continued.*

4528*	Tankage	Corona Lemon Co., Corona
4529*	Tankage	Corona Lemon Co., Corona
4530*	Tankage	Corona Lemon Co., Corona
4531*	Tankage	Corona Lemon Co., Corona
4619*	Tankage	W. C. Rogers, Rialto
4620*	Tankage	MacGillivray & Bryson, San Bernardino
4621*	Tankage	A. H. Bemis, Rialto
4637*	Tankage	C. E. McLaughlin, Rialto
	<i>Sold on Station Analysis.</i>	
4683*	Tankage	Shepard & Son, Porterville
	<i>Guaranteed.</i>	39.27
4776*	Tankage	Corona Citrus Assn., Corona
	<i>Guaranteed.</i>	38.09
4791*	Tankage	Corona Citrus Assn., Corona
	<i>Guaranteed.</i>	40.05
		43.10
		40.83

**Redlands Fertilizer Association,
Redlands, Cal.**

4360*	Fish Bone	Factory, Redlands	36.23
	<i>Guaranteed.</i>		39.27
4361	Superphosphate	Factory, Redlands	21.33
	<i>Guaranteed.</i>		22.56

**Redlands Fruit Association,
Redlands, Cal.**

4728*	Blood	W. C. Warner, Redlands	55.35
	<i>Guaranteed.</i>		53.91
4324*	Salmon Scrap	Factory, Redlands	42.15
	<i>Guaranteed.</i>		41.74
4729*	Salmon Scrap	Fred Arth, Redlands	41.49
	<i>Guaranteed.</i>		41.05
4787*	Salmon Scrap	J. S. Phelps, Redlands	39.80
	<i>Guaranteed.</i>		45.98

**Standard Rendering Co.,
Kansas City, Mo.**

4248*	Standard One	Western Improvement Co., Covina	33.34
4253*	Standard One	W. S. Bullis, Los Angeles	33.27
4308*	Standard One	R. C. McGill, La Mirada	33.54
4309*	Standard One	R. C. McGill, La Mirada	34.00
4551*	Standard One	Ford Ranch, Los Angeles	34.10
4601*	Standard One	F. D. Parker, San Fernando	33.10

*4528—87% fine. *4619—79% fine. *4683—78% fine. *4728—Whale scrap.
 *4529—85% fine. *4620—89% fine. *4776—90% fine. *4324—64% fine.
 *4530—88% fine. *4621—88% fine. *4791—90% fine. *4729—56% fine.
 *4621—88% fine. *4637—86% fine. *4360—56% fine. *4787—98% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total
4528	15.15	.....	.....	.....	6.73	.....	6.73	.....	.....	.....
4529	15.10	.....	.....	.....	6.66	.....	6.66	.....	.....	.....
4530	16.00	.....	.....	.....	6.36	.....	6.36	.....	.....	.....
4531	15.25	.....	.....	.....	6.50	.....	6.50	.....	.....	.....
4619	11.40	.....	.....	.....	8.03	.....	8.03	.....	.....	.....
4620	14.55	.....	.....	.....	6.57	.....	6.57	.....	.....	.....
4621	14.10	.....	.....	.....	6.82	.....	6.82	.....	.....	.....
4637	15.65	.....	.....	.....	6.44	.....	6.44	.....	.....	.....
4683	15.00	.....	.....	.....	6.62	.....	6.62	.....	.....	.....
.....	15.00	.....	.....	.....	6.58	.....	6.58	.....	.....	.....
4776	15.40	.....	.....	.....	6.28	.....	6.28	.....	.....	.....
.....	16.74	.....	.....	.....	6.51	.....	6.51	.....	.....	.....
4791	.	10.65	.....	.....	.....	8.24	.....	8.24	.....	.....	.....
.....	11.92	.....	.....	.....	7.50	.....	7.50	.....	.....	.....
4360	25.45	.....	.....	.....	3.10	.....	3.10	.....	.....	.....
.....	25.00	.....	.....	.....	3.90	.....	3.90	.....	.....	.....
4361	22.32	0.38	22.70	.....	.....	.....	.....	.....	.....	.....	.....
.....	23.00	1.00	24.00	.....	.....	.....	.....	.....	.....	.....	.....
4728	22.30	.....	.....	12.30	.....	12.30	.....	.....	.....
.....	11.98	.....	11.98	.....	.....	.....
4324	7.90	.....	.....	.....	8.15	.....	8.15	.....	.....	.....
.....	7.30	.....	.....	.....	8.18	.....	8.18	.....	.....	.....
4729	8.65	.....	.....	.....	8.20	.....	8.20	.....	.....	.....
.....	9.83	.....	.....	.....	7.90	.....	7.90	.....	.....	.....
4787	15.50	.....	.....	.....	6.66	.....	6.66	.....	.....	.....
.....	9.22	.....	.....	.....	9.15	.....	9.15	.....	.....	.....
4248	22.30	.....	.....	.....	4.02	.....	4.02	.....	.....	.....
4253	21.30	.....	.....	.....	4.17	.....	4.17	.....	.....	.....
4308	22.10	.....	.....	.....	4.10	.....	4.10	.....	.....	.....
4309	21.80	.....	.....	.....	4.26	.....	4.26	.....	.....	.....
4551	22.75	.....	.....	.....	4.12	.....	4.12	.....	.....	.....
4601	11.20	10.40	21.60	.....	.....	4.08	.....	4.08	.....	.....	.....

*4248—80% fine.

*4253—80% fine.

*4308—82% fine.

*4309—80% fine.

*4551—81% fine.

*4601—76% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
<i>Continued.</i>			
4602*	Standard One <i>Guaranteed.</i>	F. D. Parker, San Fernando	33.09 32.49
4405*	Standard Two <i>Guaranteed.</i>	Naralimo Orchard Co., Riverside	35.22 32.30
Standard Supply Co., Los Angeles, Cal.			
4365	Bat Guano <i>Sold on Station Analysis.</i>	Jerome Reynolds, Covina	
4767*	Tankage <i>Guaranteed.</i>	J. C. Wright, Azusa	50.08 50.18
Swift & Company, Chicago, Ill.			
4328	Blood <i>Guaranteed.</i>	P. E. Stanton, Covina	62.55
4522	Blood <i>Guaranteed.</i>	G. W. Duley, Upland	64.53 59.63
4330	Diamond D <i>Guaranteed.</i>	P. E. Stanton, Covina	35.13 35.55
4329*	Diamond E <i>Guaranteed.</i>	P. E. Stanton, Covina	37.40
4343*	Diamond E <i>Guaranteed.</i>	E. L. Koethen, Riverside	35.96 34.10
4523	Diamond L <i>Guaranteed.</i>	G. W. Duley, Upland	36.19 35.09
4666*	Diamond M <i>Guaranteed.</i>	G. W. Duley, Upland	40.60 41.61
4524*	Special Bone Meal <i>Guaranteed.</i>	G. W. Duley, Upland	32.07 29.63
4344*	Tankage	E. L. Koethen, Riverside	42.94
4570*	Tankage	Redlands Fert. Assn., Redlands	43.40
4629*	Tankage	G. W. Duley, Upland	42.33
4630*	Tankage <i>Guaranteed.</i>	G. W. Duley, Upland	42.03 42.30
Union Fertilizer Co., Los Angeles, Cal.			
4306	Fruiting	C. H. Tyler, Pomona	23.39
4386	Fruiting	W. F. Tyler, Upland	24.66
4477	Fruiting	H. C. Lash, Rialto	26.14
4483	Fruiting	J. K. Strosnider, Covina	22.40
4565	Fruiting	C. E. Harris, Corona	24.33

*4602—83% fine.

*4343—80% fine.

*4405—83% fine.

*4666—No statement of source of

*4767—73% fine.

materials as required by Fertilizer Act.

*4329—77% fine.

*4524—58% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	
4602	10.80	10.20	21.00	.....	.....	.....	4.18	.....	4.18	.....	.....	.....
.....	18.25	Bn, T	.....	.....	4.50	Bn, T	4.50	.....	.....	.....
4405	16.90	.....	.....	.....	5.36	.....	5.36	.....	.....	.....
.....	18.50	Bn, T	.....	.....	5.25	Bn, T	5.25	.....	.....	.....
4365	6.75	.....	4.40	1.20	6.20	.....	11.80	2.61	2.61	.....
4767	1.00	.....	.....	.....	11.48	.....	11.48	.....	.....	.....
.....	0.90	.....	.....	.....	11.52	.....	11.52	.....	.....	.....
4328	13.90	.....	13.90	.....	.....	.....
4522	14.34	.....	14.34	.....	.....	.....
.....	13.25	.....	13.25	.....	.....	.....
4330	19.20	.....	.....	.....	2.12	.....	2.12	.....	7.66	1.05
.....	19.00	Bn	.....	.....	1.64	Bn	1.64	10.00	10.00	.....
4329	19.10	.....	.....	.....	5.50	.....	5.50	.....	.....	.....
4343	17.70	.....	.....	.....	5.40	.....	5.40	.....	.....	.....
.....	17.50	Bn	.....	.....	5.00	Bl, Bn, Meat	5.00	.....	.....	.....
4523	15.20	.....	.....	.....	4.20	.....	4.20	3.90	3.90	0.80
.....	16.00	Bn	.....	.....	3.75	Bl, Bn, Meat	3.75	4.00	4.00	.....
4666	9.10	.....	.....	.....	6.75	.....	6.75	2.97	2.97	0.95
.....	12.50	.....	.....	.....	6.00	.....	6.00	4.00	4.00	.....
4524	28.70	.....	.....	.....	1.45	.....	1.45	.....	.....	.....
.....	29.00	.....	.....	.....	0.82	.....	0.82	.....	.....	.....
4344	6.60	.....	.....	.....	8.88	.....	8.88	.....	.....	.....
4570	7.00	.....	.....	.....	8.92	.....	8.92	.....	.....	.....
4629	7.25	.....	.....	.....	8.63	.....	8.63	.....	.....	.....
4630	5.40	.....	.....	.....	8.87	.....	8.87	.....	.....	.....
.....	5.00	.....	.....	.....	9.00	.....	9.00	.....	.....	.....

*4344—80% fine.

*4570—61% fine.

*4629—57% fine.

*4630—89% fine.

ANALYSES AND VALUATIONS—Continued

Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND
NAME OF BRAND

FROM WHOM OBTAINED

Value per Ton at
Station Prices**Union Fertilizer Co.—Continued.**

4662	Fruiting	Geo. Settle, Fullerton	21.84
	<i>Guaranteed.</i>		22.68
4385	Nursery	W. F. Tyler, Upland	28.88
4485	Nursery	J. K. Strosnider, Covina	28.66
4564	Nursery	C. F. Harris, Corona	30.88
4653	Nursery	W. F. Tyler, Upland	26.90
4663	Nursery	Geo. Settle, Fullerton	26.95
	<i>Guaranteed.</i>		28.12
4384	Special Fruiting	W. F. Tyler, Upland	31.49
4476	Special Fruiting	H. C. Lash, Rialto	28.51
4484	Special Fruiting	J. K. Strosnider, Covina	30.78
4652	Special Fruiting	W. F. Tyler, Upland	27.84
	<i>Guaranteed.</i>		28.06

**Union Superphosphate Co.,
San Francisco, Cal.**

4413	Superphosphate	H. P. Greene, San Diego	16.56
4417	Superphosphate	Sparr Fruit Co., Los Angeles	16.68
	<i>Guaranteed.</i>		15.98

**Western Meat Company,
San Francisco, Cal.**

4866	Blood	V. W. Baker, Pomona	
	<i>Sold on Station Analysis.</i>		
4827	Diamond A	Sebastopol Berry Grs., Sebastopol	24.54
4464	Diamond A	Channel Commercial Co., Ventura	25.85
	<i>Guaranteed.</i>		22.62
4711	Diamond B	S. B. Onyett, Palermo	25.88
4703	Diamond B	W. A. Veith Company, Fresno	24.86
	<i>Guaranteed.</i>		26.63
4828	Diamond C	Sebastopol Berry Grs., Sebastopol	29.97
4886	Diamond C	T. J. Horgan, Watsonville	28.70
	<i>Guaranteed.</i>		29.81
4362*	Diamond E	Redlands Fert. Assn., Redlands	35.17
4379*	Diamond E	Redlands Fert. Assn., Redlands	33.87
4717*	Diamond E	Walter Womack, Palermo	34.22
	<i>Guaranteed.</i>		34.39
4463*	Diamond F	Channel Commercial Co., Ventura	38.79
	<i>Guaranteed.</i>		36.65

*4362—84% fine.

*4379—82% fine.

*4717—79% fine.

*4463—30% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	Total	CHLORIN
4662	6.10	1.30	7.40	.....	0.44	0.53	1.87	.....	2.84	.....	3.36	0.60
.....	7.00	1.50	8.50	Super, Bn, G, T	0.75	0.60	1.65	Bn, G, T	3.00	.....	3.00	.....
4385	5.28	2.72	8.00	.....	1.53	.....	3.40	.....	4.93	.....	2.06	.....
4485	6.20	1.70	7.90	.....	1.88	0.48	2.75	.....	5.11	.....	1.90	0.85
4564	5.39	2.46	7.85	.....	2.24	0.23	3.18	.....	5.65	.....	2.10	.....
4653	5.54	1.56	7.10	.....	1.59	0.28	2.83	.....	4.70	.....	2.12	.....
4663	5.48	1.32	6.80	.....	1.62	0.36	2.80	.....	4.78	.....	2.17	.....
.....	6.00	1.50	7.50	Super, Bn, G, T	1.00	1.00	3.00	Bn, G, T	5.00	.....	1.50	.....
4384	7.90	5.60	13.50	.....	2.17	0.25	1.68	.....	4.10	.....	3.97	.....
4476	7.20	1.60	8.80	.....	1.42	0.40	2.43	.....	4.25	.....	3.77	1.00
4484	7.26	2.74	10.00	.....	1.94	0.90	1.66	.....	4.50	.....	4.70	.....
4652	6.75	1.40	8.15	.....	1.47	.....	2.60	.....	4.07	.....	4.21	.....
.....	8.00	1.50	9.50	Super, Bn, G, T	1.00	0.75	2.25	Bn, G, T	4.00	.....	3.50	.....
4413	17.62	0.38	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4447	17.74	0.26	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	17.00	1.00	18.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4866	.....	.....	.....	.....	.....	.....	12.47	.....	12.47	.....	.....	.....
4827	12.35	1.80	14.15	.....	.....	.....	1.87	.....	1.87	.....	3.30	1.47
4464	12.77	2.58	15.35	.....	.....	.....	2.00	.....	2.00	3.01	3.01	0.85
.....	12.00	1.50	13.50	Super, Bn	.....	.....	1.64	Bl, Bn, Meat	1.64	3.00	3.00	.....
4711	6.96	3.94	10.90	.....	.....	.....	2.27	.....	2.27	5.53	5.53	0.77
4703	10.02	2.48	12.50	.....	0.24	.....	1.48	.....	1.72	5.71	5.71	0.87
.....	9.00	2.50	11.50	Super, Bn	.....	.....	2.46	Bn, Bl, T	2.46	5.00	5.00	.....
4828	6.98	3.62	10.60	.....	.....	.....	3.29	.....	3.29	.....	5.51	1.75
4886	6.65	2.90	9.55	.....	.....	.....	3.09	.....	3.09	.....	5.98	1.40
.....	7.00	2.25	9.25	Super, Bn	.....	.....	3.29	Bl, Bn, Meat	3.29	6.00	6.00	.....
4362	.....	.....	18.40	.....	.....	.....	5.10	.....	5.10	.....	.....	.....
4379	.....	.....	17.60	.....	.....	.....	4.93	.....	4.93	.....	.....	.....
4717	.....	.....	16.00	.....	.....	.....	5.28	.....	5.28	.....	.....	.....
.....	.....	.....	18.32	.....	.....	.....	4.93	.....	4.93	.....	.....	.....
4463	.....	.....	24.70	.....	.....	.....	3.85	.....	3.85	.....	.....	.....
.....	.....	.....	24.00	Bn	.....	.....	3.50	Bn	3.50	.....	.....	.....

ANALYSES AND VALUATIONS—Continued

Laboratory Number

	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND	FROM WHOM OBTAINED	Value per Ton at Station Prices
Western Meat Company <i>—Continued.</i>			
<i>Guaranteed.</i>			
4842*	Diamond G	Valley Seed Co., Sacramento	36.77
4887*	Diamond G	T. J. Horgan, Watsonville	34.05
	<i>Guaranteed.</i>		34.71
4884*	Diamond G Special	Sebastopol Berry Grs., Sebastopol	36.51
	<i>Guaranteed.</i>		33.14
4569	Diamond H Blood	Redlands Fert. Assn., Redlands	56.16
	<i>Guaranteed.</i>		59.63
4380	Diamond H Blood Meal	Redlands Fert. Assn., Redlands	58.50
	<i>Guaranteed.</i>		57.38
4381*	Diamond I	Redlands Fert. Assn., Redlands	32.62
4566*	Diamond I	Redlands Fert. Assn., Redlands	32.63
4591*	Diamond I	Hugh Latimer, Arlington	32.68
4631*	Diamond I	Hugh Latimer, Arlington	32.22
4664*	Diamond I	Hugh Latimer, Arlington	32.32
4668*	Diamond I	Hugh Latimer, Arlington	31.50
4669*	Diamond I	Hugh Latimer, Arlington	31.65
	<i>Guaranteed.</i>		32.91
4885	Diamond O	Sebastopol Berry Grs., Sebastopol	32.13
4888	Diamond O	T. J. Horgan, Watsonville	32.44
	<i>Guaranteed.</i>		32.33
4567	Special Diamond C	Redlands Fert. Assn., Redlands	31.27
	<i>Guaranteed.</i>		31.10
4568	Special Diamond C	Redlands Fert. Assn., Redlands	31.70
	<i>Guaranteed.</i>		32.46
4777*	Tankage	Charter Oak C. A., Charter Oak	
4821*	Tankage	Nathan W. Blanchard, Santa Paula	
	<i>Sold on Station Analysis.</i>		
Wizard Fertilizer Co., San Francisco, Cal.			
4826*	Wizard	Napa M. & W. Co., Napa	36.15
	<i>Guaranteed.</i>		40.16

*4842—58% fine.

*4668—88% fine.

*4887—55% fine.

*4669—77% fine.

*4884—50% fine.

*4777—70% fine.

*4381—75% fine.

*4821—85% fine.

*4566—80% fine.

*4826—No statement of source of materials as required by Fertilizer Act.

*4591—75% fine.

Discrepancy in valuation due to inade-

*4631—81% fine.

quacy of guaranty.

*4664—82% fine.

ANALYSES AND VALUATIONS—Continued

POUNDS PER HUNDRED

Laboratory Number	PHOSPHORIC ACID			Guaranteed as derived from	NITROGEN			POTASHI			CHLORIN
	Available	Insoluble	Total		In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From Sulfate	
4842	26.00	.....	.....	.....	3.11	.....	3.11	.....	.....
4887	23.40	.....	.....	.....	3.02	.....	3.02	.....	.....
.....	30.20	Bn	.....	.....	1.75	Bn	1.75	.....	.....
4884	24.90	.....	.....	.....	3.28	.....	3.28	.....	.....
.....	33.00	Bn	.....	.....	0.80	Bn	0.80	.....	.....
4569	12.48	.....	12.48	.....	.....
.....	13.25	.....	13.25	.....	.....
4380	13.00	.....	13.00	.....	.....
.....	12.75	.....	12.75	.....	.....
4381	14.55	.....	.....	.....	5.15	.....	5.15	.....	.....
4566	12.65	.....	.....	.....	5.47	.....	5.47	.....	.....
4591	13.50	.....	.....	.....	5.34	.....	5.34	.....	.....
4631	12.80	.....	.....	.....	5.35	.....	5.35	.....	.....
4664	11.15	.....	.....	.....	5.65	.....	5.65	.....	.....
4668	10.55	.....	.....	.....	5.56	.....	5.56	.....	.....
4669	12.60	.....	.....	.....	5.25	.....	5.25	.....	.....
.....	13.75	T	.....	.....	5.35	T	5.35	.....	.....
4885	8.65	2.90	11.55	.....	.....	.....	2.78	.....	2.78	.....	8.58 1.45
4888	9.66	2.44	12.10	.....	.....	.....	2.50	.....	2.50	.....	9.47 1.50
.....	9.00	2.50	11.50	Super, Bn	.....	.....	2.46	Bl, Bn, Meat	2.46	10.00	10.00
4567	9.70	.....	.....	.....	4.18	.....	4.18	.....	4.66 2.40
.....	10.00	Super, Bn	.....	.....	4.00	Bl, Bn, Meat	4.00	5.00	5.00
4568	9.20	.....	.....	.....	4.85	.....	4.85	.....	2.41 3.00
.....	10.00	Super, Bn	.....	.....	5.00	Bl, Bn, Meat	5.00	2.00	2.00
4777	7.25	7.91	7.91
4821	7.05	8.18	8.18
4826	9.18	0.42	9.60	2.52	2.70	0.54	5.76	6.58	6.58 0.88
.....	8.00	6.00	6.00	6.00

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- 1897. Resistant Vines, their Selection, Adaptation, and Grafting. Appendix to Viticultural Report for 1896.
- 1902. Report of the Agricultural Experiment Station for 1898-1901.
- 1903. Report of the Agricultural Experiment Station for 1901-03.
- 1904. Twenty-second Report of the Agricultural Experiment Station for 1903-04.

BULLETINS

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